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ABSTRACT

The employment of graduates of all degree levels in Pennsylvania institutions of higher education in 1979 was examined, based on data for 44,875 graduates or 50.6 percent of all higher education graduates. Research was designed to determine what proportion of graduates in each degree field and degree level were employed in their fields of preparation, employed in another field, employed in Pennsylvania, unemployed, or pursuing advanced degrees. Differences in these postgraduation activities by institutional type were also determined, and comparisons were made to 1978 data. Analysis indicated that in 1979 full-time employment for graduates at all five degree levels increased by 2.7 percent over 1978. Unemployment and part-time employment decreased by 2.4 and 0.3 percent, respectively, in 1979, while those pursuing advanced degrees remained at the 16.2 percent level for both years. At the bachelor's level employment was highest for graduates of computer sciences, health professions, and engineering. (SW)

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Postgraduation Activities:

All Degree Levels In Pennsylvania 1979

Prepared by
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Division of Survey Research, Technical Support and Research Coordination
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August 1980

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SUMMARY

Purpose

This study examines the employment of graduates of all degree levels in Pennsylvania institutions of higher education in 1979. The study answers such questions as:

...How many graduates were employed? Unemployed? Pursuing advanced degrees?

...How many employed graduates held jobs in Pennsylvania?

...How many graduates held jobs for which they had prepared?

...What was the relative degree of employment success for graduates in each major discipline and degree field?

...What were the differences in postgraduation activities according to the type of institution?

Procedures

This report is based on data for 44,875 graduates, or 50.6 percent of the 88,642 higher education graduates at all degree levels from Pennsylvania's postsecondary institutions who were subjects of this study.

Results

In 1979 full-time employment for graduates at all five degree levels increased by 2.7 percent over 1978. Unemployment and part-time employment decreased by 2.4 and 0.3 percent, respectively, in 1979, while those pursuing advanced degrees remained at the 16.2 percent level for both years.

At the bachelor's level employment was highest for graduates of computer sciences, health professions and engineering. Lowest initial employment was found among graduates of letters, social sciences, psychology, physical and biological sciences.

Low initial employment of graduates in any major discipline reflects the proportion pursuing advanced degrees rather than their level of unemployment, which is generally moderate or low.

Some highlights in percentage terms for 1979 compared to 1978 follow:

	Comparison of Postgraduation Results								Full-Time Employed			
	Full-Time Employed		Part-Time Employed		Not Employed		Advanced Degree		In Field Prepared		Employed in Pa.	
Degree Level	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979
Associate	68.5	71.7	3.5	2.2	6.1	4.2	21.9	21.9	85.7	87.0	86.9	84.6
Bachelor's	66.0	69.5	4.4	4.2	12.8	9.6	16.8	16.7	77.3	77.6	68.5	67.4
Master's	82.1	83.7	2.3	2.7	5.5	4.7	10.1	8.9	90.8	92.3	77.3	70.2
Doctoral	88.8	90.9	3.3	3.2	4.0	5.0	3.8	0.9	89.0	95.8	54.6	50.3
First-Prof.	94.8	95.1	0.7	1.3	1.8	1.5	2.6	2.1	98.5	98.8	57.3	60.0

INTRODUCTION

Employment success of higher education graduates is of keen interest, especially in times of financial inflation and dwindling student enrollments. Authorized by the Office of Higher Education, Pennsylvania Department of Education, this report is seventh in a series to supply information useful to students, counselors and educational planners.

PROCEDURES

Objectives

Answers to the following questions were sought: What proportion of graduates in each degree field and degree level were: (1) employed in their fields of preparation, (2) employed in another field, (3) employed in Pennsylvania, (4) unemployed, or (5) pursuing advanced degrees? What differences are there in these postgraduation activities by institutional type--state colleges and university, state-related private state-aided, and independent colleges and universities? How do the answers to these questions in 1979 compare with answers to these same questions in 1978?

Methodology

The subjects of this study were those graduated between January 1979 and August 1979 from all degree programs in Pennsylvania institutions of higher education. In the summer of 1978 forms were sent to contact persons at each postsecondary institution. These were usually career services officers appointed by their institutions to cooperate in this study.

The data collection methods varied among the institutions depending upon the survey method developed at each. For instance, one college surveys continuously by including a survey card in employment lists sent periodically to graduates. Upon employment, these graduates are requested to complete and return the card.

Another institution surveys its graduates at intervals, such as December graduates in March, May graduates in August, and August graduates in September. Other institutions survey all their graduates around mid-November. In December intensive follow-up procedures are initiated to obtain information from nonrespondents.

In general, the information in this report represents graduates' status five or six months after their graduation.

By the February 1, 1980 due date, the Division of Survey Research, Technical Support, and Research Coordination had received forms containing information on 44,875 graduates, or 50.6 percent of the 88,642 graduates of Pennsylvania institutions of higher education in 1979. Institutions in the following categories participated in the study: all state colleges and university, state-related universities, community colleges and most state-aided and private colleges and universities, professional schools and proprietary institutions.

Validity of Sample

In several prior studies of this series, no significant differences were found between survey respondents and nonrespondents when follow-up surveys of the latter were made. Since the present study is similar to its predecessors, the sampling represented in this report is assumed to be adequately representative to provide valid conclusions.

Type and Location of Tables

Basic tables are presented in the text. Tables for each degree level report postgraduation activities of all responding graduates in each of the 23 major disciplines used in the federal HEGIS reporting system.

Tables in the appendix give additional information, such as results by institutions categorized as state colleges and university, state-related, private state-aided, and private colleges and universities. These appendix tables include an "all others" category which does not appear in the text tables which highlight results. The "all others" category in the appendix should represent the difference between the number of respondents and the number of graduates in each degree field.

RESULTS FOR BACCALAUREATE GRADUATES

A comparison of 1979 postgraduation results with the results of the preceding three years are given below. Shown here are increases in employment, increases in graduates employed in their fields of preparation, but also increases in outmigration for employment

		Results for Bachelor's Graduates				Full-Time Employed	
Year	Responding Graduates	Full-Time Employed	Part-Time Employed	Un-employed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1976	30,029	59.3	4.5	18.8	17.4	72.1	72.6
1977	29,140	62.0	5.8	15.9	16.3	75.5	69.6
1978	28,273	66.0	4.4	12.8	16.8	77.3	68.5
1979	29,819	69.5	4.2	9.6	16.7	77.6	67.4

Table 1 summarizes the postgraduation status for 29,819 baccalaureate graduates in 23 major disciplines in 1979. Detailed data for these graduates by degree field and institutional segment are given in the appendix. Attention should be given to the interrelationships among the percentages following each major discipline in Table 1. For example, major disciplines with lower proportions of graduates in full-time employment tend to have higher proportions in other categories, such as pursuing advanced degrees and unemployed.

Full-Time Employment for Bachelor's Graduates

Table 2 ranks the major disciplines from high to low according to the success of graduates in obtaining full-time employment in 1979. Comparable percentages and ranks from the 1978 report on baccalaureate graduates are included for comparison purposes.

Table 1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	660	187 (28.3)	160 (24.2)	67 (10.2)	26 (.9)	38 (5.8)	84 (12.7)	98 (14.9)
Architecture and Environmental Design	93	39 (41.9)	28 (30.1)	4 (4.3)	1 (1.1)	1 (1.1)	8 (8.6)	12 (12.9)
Area Studies	30	3 (10.0)	2 (6.6)	5 (16.7)	5 (16.7)	2 (6.6)	4 (13.3)	9 (30.0)
Biological Sciences	1,803	264 (14.6)	144 (8.0)	158 (8.8)	100 (5.6)	51 (2.8)	144 (8.0)	942 (52.2)
Business and Management	5,686	2,699 (47.5)	1,111 (9.5)	524 (9.2)	142 (2.5)	102 (1.8)	712 (12.5)	396 (7.0)
Communications	619	232 (37.5)	82 (3.2)	89 (14.4)	32 (5.2)	53 (8.5)	84 (13.6)	47 (7.6)
Computer and Information Sciences	364	199 (54.7)	109 (30.0)	11 (3.0)	5 (1.4)	8 (2.2)	10 (2.7)	22 (6.0)
Education	5,710	2,395 (41.9)	903 (15.8)	722 (12.6)	199 (3.5)	503 (8.8)	530 (9.3)	458 (8.0)
Engineering	2,315	848 (36.6)	1,127 (48.7)	27 (1.2)	47 (2.0)	3 (0.1)	54 (2.3)	209 (9.0)
Fine and Applied Arts	1,012	263 (26.0)	161 (15.9)	157 (15.5)	49 (4.8)	87 (8.6)	132 (13.0)	163 (16.1)
Foreign Languages	389	47 (12.1)	46 (11.8)	88 (22.6)	45 (11.6)	12 (3.1)	58 (14.9)	93 (23.9)
Health Professions	1,844	1,334 (72.3)	264 (14.3)	32 (1.7)	9 (0.5)	38 (2.1)	78 (4.2)	89 (4.8)
Home Economics	571	259 (45.4)	114 (20.0)	38 (6.6)	13 (2.3)	32 (5.6)	60 (10.5)	55 (9.6)
Law	7	1 (14.3)	-	-	1 (14.3)	-	-	5 (71.4)
Letters	1,275	214 (16.8)	135 (10.6)	236 (18.5)	138 (10.8)	45 (3.5)	132 (10.4)	375 (29.4)
Library Science	105	45 (42.8)	23 (21.9)	11 (10.5)	1 (1.0)	6 (5.7)	8 (7.5)	11 (10.5)
Mathematics	425	141 (33.2)	125 (29.4)	31 (7.3)	20 (4.7)	3 (0.7)	19 (4.5)	86 (20.2)
Physical Sciences	992	187 (18.8)	169 (17.0)	58 (5.9)	39 (3.9)	24 (2.4)	63 (6.4)	452 (45.6)
Psychology	1,089	230 (21.1)	74 (6.8)	200 (18.4)	83 (7.6)	60 (5.5)	143 (13.1)	299 (27.5)
Public Affairs and Services	1,247	488 (39.1)	151 (12.1)	182 (14.6)	64 (5.1)	74 (5.9)	166 (13.3)	122 (9.9)
Social Sciences	3,072	526 (17.1)	358 (11.7)	532 (17.3)	325 (10.6)	86 (2.8)	329 (10.7)	916 (29.8)
Theology	162	31 (19.1)	44 (27.2)	24 (14.8)	22 (13.6)	4 (2.5)	9 (5.6)	28 (17.3)
Interdisciplinary Studies	349	78 (22.3)	40 (11.5)	58 (16.6)	33 (9.5)	23 (6.6)	40 (11.5)	77 (22.0)
GRAND TOTAL	29,819	10,710 (35.9)	5,370 (18.0)	3,254 (10.9)	1,399 (4.7)	1,255 (4.2)	2,867 (9.6)	4,964 (16.7)

Table 2

Percentage of Bachelor's Degree Graduates with Full-Time Employment, Ranked by Major Discipline for 1979

Major Discipline	Percent		Rank	
	1978	1979	1978	1979
Computer and Information Sciences	86.3	89.0	3	1
Health Professions	89.2	88.9	1	2
Engineering	86.7	88.5	2	3
Business and Management	75.3	78.7	4	4
Architecture and Environmental Design	66.7	77.4	11	5
Library Science	74.5	76.2	5	6
Theology	60.4	74.6	13	7
Mathematics	73.4	74.6	6	8
Home Economics	68.4	74.3	9.5	9
Education	70.7	73.9	8	10
Public Affairs and Services	65.4	71.0	12	11
Communications	68.4	70.3	9.5	12
Agriculture and Natural Resources	71.0	66.7	7	13
Fine and Applied Arts	54.6	62.3	18	14
Interdisciplinary Studies	57.1	59.9	16	15
Foreign Languages	60.2	58.1	14	16
Letters	52.7	56.7	20	17
Social Sciences	52.2	56.6	21	18
Psychology	56.8	53.9	17	19
Area Studies	53.2	50.0	19	20
Physical Sciences	43.1	45.7	22	21
Biological Sciences	33.5	36.9	23	22
Law	59.1	28.6	15	23

The percentage changes in full-time employment for baccalaureate graduates between 1978 and 1979 were:

	Percent Increase		Percent Decrease
Theology	14.3	Law	30.5
Architecture and Environ. Design	10.7	Agriculture and Nat. Res.	30.5
Fine and Applied Arts	7.7	Area Studies	3.2
Home Economics	5.9	Psychology	2.9
Public Affairs and Services	5.6	Foreign Languages	2.1
Social Sciences	4.4	Health Professions	0.3
Letters	4.0		
Biological Sciences	3.4		
Business and Management	3.4		
Education	3.2		
Interdisciplinary Studies	2.8		
Computer and Information Sciences	2.7		
Physical Sciences	2.6		
Communications	1.9		
Engineering	1.8		
Library Science	1.7		
Mathematics	1.2		

Percentage of Graduates Not Seeking Employment

The percentage of baccalaureate graduates not seeking employment has held steady at approximately 2.0 percent over the past four years. In a detailed study in 1974, 2.3 percent of the 25,176 graduates surveyed indicated they were not seeking employment at that time. In 1978 an inquiry directed at career services officers at the state colleges and university revealed the percentage of graduates not seeking employment ranged from a low of 0.5 percent at one institution to a high of 4.3 at another, for an average of about 2.0 percent.

Bachelor's Graduates Employed in Field of Preparation

Table 3 indicates by percent and rank the degree to which full-time employed baccalaureate graduates were employed in their field of preparation in 1978 and 1979.

Table 3

Percentage of Full-Time Employed Bachelor's Degree Graduates Employed in Their Field of Preparation, Ranked by Major Discipline, 1979

Major Discipline	Percent		Rank	
	1978	1979	1978	1979
Health Professions	96.4	97.5	1	1
Engineering	95.1	96.4	2	2
Computer and Information Sciences	94.1	95.1	3	3
Architecture and Environmental Design	85.2	93.1	8	4
Home Economics	89.1	88.0	4	5
Business and Management	88.3	85.1	5	6
Library Science	87.7	85.0	6	7
Mathematics	84.1	83.9	8	8
Agriculture and Natural Resources	79.2	78.9	9	9
Physical Sciences	78.4	78.6	10	10
Education	76.7	78.2	11	11
Public Affairs and Services	73.1	72.2	12	12
Communications	72.9	72.1	13	13
Fine and Applied Arts	58.2	67.3	16	14
Theology	51.5	62.0	20	15
Biological Sciences	59.5	61.3	15	16
Interdisciplinary Studies	65.3	56.5	14	17
Psychology	56.3	51.8	17	18
Social Sciences	53.7	50.8	18	19
Law*	7.7	50.0	23	20
Letters	51.6	48.3	19	21
Foreign Languages	40.9	41.2	21	22
Area Studies	32.0	33.3	22	23

*Large variation in Law is due to small number reported from year-to-year at the baccalaureate level.

Increases and decreases in the percentages of full-time employed bachelor's graduates employed in their field of preparation between 1978 and 1979 are listed below.

	Percent Increase		Percent Decrease
Law	42.3	Interdisciplinary Studies	8.8
Theology	10.5	Psychology	4.5
Fine and Applied Arts	9.1	Letters	3.3
Architecture and Environmental Des.	7.9	Business and Management	3.2
Biological Sciences	1.8	Social Sciences	2.9
Education	1.5	Library Science	2.7
Area Studies	1.3	Home Economics	1.1
Engineering	1.3	Public Affairs and Services	0.9
Health Professions	1.1	Communications	0.8
Computer and Info. Sciences	0.7	Agriculture and Nat. Res.	0.3
Foreign Languages	0.3	Mathematics	0.2
Physical Sciences	0.2		

Bachelor's Graduates Employed in Pennsylvania

Table 4 ranks the major disciplines according to the percentage of fully employed baccalaureate graduates in each discipline who are employed in Pennsylvania.

Table 4

Percentage of Full-Time Employed Bachelor's Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1979

Major Discipline	Percent 1978	Percent 1979	Rank 1978	Rank 1979
Health Professions	81.9	83.3	1	1
Public Affairs and Services	80.3	75.7	2	2
Education	74.5	73.9	3	3
Communications	72.7	73.8	6	4
Psychology	71.0	73.3	7	5
Business and Management	72.9	72.0	5	6
Home Economics	73.2	70.1	4	7
Library Science	68.5	70.0	8	8
Fine and Applied Arts	66.4	66.7	9	9
Interdisciplinary Studies	66.2	65.1	10	10
Computer and Information Sciences	65.5	64.8	11	11
Biological Sciences	65.4	63.4	12	12
Letters	62.4	62.2	14	13
Social Sciences	65.0	60.8	13	14
Foreign Languages	58.6	59.8	18	15
Architecture and Environmental Design	61.6	59.7	17	16
Agriculture and Natural Resources	61.7	57.7	15	17
Mathematics	55.0	54.3	19	18
Physical Sciences	50.9	54.1	21	19
Area Studies	40.0	53.3	23	20
Law	61.5	50.0	16	21
Theology	51.5	45.5	20	22
Engineering	41.0	42.7	22	23

Percentage changes in baccalaureate graduates' full-time employment in Pennsylvania between 1978 and 1979 were:

	Percent Increase		Percent Decrease
Area Studies	13.3	Law	11.5
Physical Sciences	3.2	Theology	6.0
Psychology	2.3	Public Affairs and Services	4.6
Engineering	1.7	Agriculture and Nat. Res.	4.0
Library Science	1.5	Social Sciences	4.2
Health	1.4	Home Economics	3.1
Foreign Languages	1.2	Biological Sciences	2.0
Communications	1.1	Architecture and Envir.Des.	1.9
Fine and Applied Arts	0.3	Interdisciplinary Studies	1.1
		Business and Management	0.9
		Computer and Info. Sci.	0.7
		Mathematics	0.7
		Education	0.6
		Letters	0.2

Bachelor's Graduates Seeking Advanced Degrees

Table 5 permits comparison of the extent to which baccalaureate graduates in each major discipline pursued advanced degrees in 1978 and 1979.

Table 5

Percentage of Bachelor's Graduates Pursuing Advanced Degrees, Ranked by Major Discipline, 1979

Major Discipline	Percent		Rank	
	1978	1979	1978	1979
Law	27.3	71.4	6	1
Biological Sciences	50.0	52.2	1	2
Physical Sciences	47.6	45.6	2	3
Area Studies	34.0	30.0	3	4
Social Sciences	30.0	29.8	5	5
Letters	27.1	29.4	7	6
Psychology	24.9	27.5	8	7
Foreign Languages	23.4	23.9	9	8
Interdisciplinary Studies	20.1	22.0	10	9
Mathematics	19.0	20.2	12	10
Theology	31.1	17.3	4	11
Fine and Applied Arts	18.7	16.1	13	12
Agriculture and Natural Resources	10.6	14.9	15	13
Architecture and Environmental Design	19.8	12.9	11	14
Library Science	8.2	10.5	19	15
Public Affairs and Services	9.8	9.9	16	16
Home Economics	13.2	9.6	14	17
Engineering	8.2	9.0	17.5	18
Education	7.7	8.0	20	19
Communications	8.5	7.6	17.5	20
Business and Management	7.4	7.0	21	21
Computer and Information Sciences	7.2	6.0	22	22
Health Professions	5.3	4.8	23	23

Listed below are the changes in percentages of baccalaureate graduates pursuing advanced degrees between 1978 and 1979.

	Percent Increase		Percent Decrease
Law	44.1	Theology	13.8
Agriculture and Natural Resources	4.3	Architecture and Envir.Des.	6.9
Psychology	2.6	Area Studies	4.0
Letters	2.3	Home Economics	3.6
Library Science	2.3	Fine and Applied Arts	2.6
Biological Sciences	2.2	Physical Sciences	2.0
Interdisciplinary Studies	1.9	Computer and Info. Sci.	1.2
Mathematics	1.2	Communications	0.9
Engineering	0.8	Health	0.5
Foreign Languages	0.5	Business and Management	0.4
Education	0.3	Social Sciences	0.2
Public Affairs and Services	0.1		

Bachelor's Level Employment Ranked by Major Discipline, 1974-1979

Table 6 ranks the 23 major disciplines according to the average of their full-time employment ranks over the past six years.

Table 6

Full-Time Employment Rank Comparisons for Bachelor's Degree Graduates Listed by Mean Ranking Over Time (1974-1979)

Discipline	Ranks 1974	1975	1976	1977	1978	1979
1. Computer and Information Sciences	1	3	1	2	3	1
2. Engineering	2	4	3	3	2	3
3. Health Professions	7	5	2	1	1	2
4. Business and Management	3	7	4.5	5	5	4
5. Library Science	8	6	4.5	4	6	6
6. Agriculture and Natural Resources	6	2	7	7	7	13
7. Communications	9	1	8	10	9.5	12
8. Education	4	10	10	9	8	10
9. Mathematics	10	11.5	9	8	7	8
10. Home Economics	12	8	6	12	9.5	9
11. Architecture and Environ. Design	14	11.5	13	6	11	5
12. Public Affairs and Services	11	9	11	11	12	11
13. Theology	5	13	14	14	13	7
14. Fine and Applied Arts	16	14	15	13	18	14
15. Letters	19	15	16	16	20	17
16. Interdisciplinary Studies	17	18	20	19	16	15
17. Foreign Languages	23	16	17	20	14	16
18. Psychology	15	19	19	18	17	19
19. Social Sciences	20	17	18	15	21	18
20. Area Studies	18	22	13	17	19	20
21. Law	13	23	23	22	15	23
22. Physical Sciences	21	20	21	21	22	21
23. Biological Sciences	22	21	22	23	23	22

Implications of Full-Time Employment Rank Averages

Implications of Table 6 are summarized in the brief table below which shows that unemployment percentages remain relatively constant even though full-time employment may vary considerably. This summary table shows that among baccalaureate graduates full-time employment varies with the percentage pursuing advanced degrees rather than with the percentage of those unemployed.

Category	Survey Years	Total Respondents	Employed: Full Time	Employed: Part Time	Unemployed	Pursuing Advanced Degree
			%	%	%	%
12 disciplines with highest employment rank averages	1974-79	109,518	70.4	6.0	15.6	8.0
	(1979 only)	(19,141)	(78.6)	(4.3)	(9.1)	(8.0)
11 disciplines with lowest employment rank averages	1974-79	44,935	49.1	4.2	15.7	31.0
	(1979 only)	(10,678)	(53.3)	(4.0)	(10.6)	(32.1)

Further postgraduation employment results were obtained when a large scale resurvey of 1974 bachelor's graduates was conducted two and one-half years later in 1977. Findings indicated that full-time employment increased by an overall average of 12 percent for graduates in all major disciplines except four, in which decreases were noted.

This resurvey showed that of the 11 major disciplines ranking lowest for employment in Table 6, graduates in four disciplines increased in full-time employment by an overall average of 20 percent. These disciplines were area studies, social sciences, foreign languages, and fine and applied arts. Full-time employment increases averaging six percent also occurred for graduates in biology, psychology, and letters. However, employment decreases averaging 10 percent were found for graduates of theology, law, physical sciences, and interdisciplinary studies. These latter four disciplines were among the highest for the percentage of bachelor's graduates pursuing advanced degrees.

RESULTS FOR MASTER'S DEGREE GRADUATES

Highlighted below are the postgraduation results for master's graduates for 1979 and the three previous years. Master's graduates show improvement in employment and generally have higher levels of employment, lower unemployment and jobs more highly related to their major field than bachelor's graduates.

Year	Responding Graduates	Results for Master's Graduates: Full Time	Part Time	Unemployed	Advanced Degree	Full-Time Employed: Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1976	4,153	81.0	2.0	7.3	9.7	90.5	75.7
1977	4,207	79.6	3.7	6.7	10.0	90.6	76.8
1978	3,847	82.1	2.3	5.5	10.1	90.8	77.3
1979	3,567	83.7	2.7	4.7	8.9	92.3	70.2

Table 7 summarizes the postgraduation status of 3,847 master's degree recipients in 23 major disciplines in 1978. Detailed data for graduates in each degree field and institutional segment are given in the appendix.

Table 7

Employment Status by Major Discipline for Master's Degree Recipients for All Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	32	8 (25.0)	8 (25.0)	2 (6.2)	2 (6.2)	1 (3.1)	2 (6.2)	9 (28.1)
Architecture and Environmental Design	18	11 (61.1)	6 (33.3)	-	1 (5.6)	-	-	-
Area Studies	4	-	-	3 (75.0)	-	-	-	1 (25.0)
Biological Sciences	73	26 (35.6)	6 (8.2)	5 (6.8)	1 (1.4)	3 (4.1)	3 (4.1)	29 (39.7)
Business and Management	700	310 (44.3)	300 (42.8)	15 (2.1)	5 (0.7)	8 (1.1)	32 (4.6)	30 (4.3)
Communications	24	10 (41.7)	9 (37.5)	2 (8.3)	-	-	2 (8.3)	1 (4.2)
Computer and Information Sciences	38	16 (42.1)	11 (28.9)	1 (2.6)	1 (2.6)	-	-	9 (23.7)
Education	1,488	1,029 (69.2)	179 (2.0)	99 (6.6)	13 (0.9)	47 (3.2)	63 (4.2)	58 (3.9)
Engineering	227	75 (33.0)	103 (45.4)	1 (0.4)	3 (1.3)	-	4 (1.7)	41 (18.1)
Fine and Applied Arts	82	23 (28.0)	26 (31.7)	4 (4.9)	2 (2.4)	11 (13.4)	11 (13.4)	5 (6.1)
Foreign Languages	24	10 (41.7)	7 (29.2)	3 (12.5)	-	1 (4.1)	1 (4.1)	2 (8.3)
Health Professions	202	131 (64.9)	47 (23.3)	3 (1.4)	1 (0.5)	4 (2.0)	3 (1.5)	13 (6.4)
Home Economics	6	1 (16.6)	2 (33.3)	-	-	1 (16.6)	-	2 (33.3)
Law	1	1 (100.0)	-	-	-	-	-	-
Letters	65	25 (38.5)	11 (16.9)	3 (4.6)	1 (1.5)	5 (7.7)	6 (9.2)	14 (21.5)
Library Science	57	22 (38.6)	16 (28.1)	3 (5.2)	2 (3.5)	1 (1.8)	6 (10.5)	7 (12.3)
Mathematics	49	20 (40.8)	8 (16.3)	3 (6.1)	1 (2.0)	-	1 (2.0)	16 (32.7)
Physical Sciences	74	17 (22.9)	24 (32.4)	1 (1.4)	1 (1.4)	2 (2.7)	4 (5.4)	25 (33.7)
Psychology	92	30 (32.6)	10 (10.9)	5 (5.4)	1 (1.1)	8 (8.7)	2 (2.2)	36 (39.1)
Public Affairs and Services	204	104 (50.9)	53 (26.0)	14 (6.8)	10 (4.9)	3 (1.5)	18 (8.8)	2 (1.0)
Social Sciences	94	35 (37.2)	14 (14.9)	12 (12.7)	5 (5.3)	2 (2.1)	8 (8.5)	18 (19.2)
Interdisciplinary Studies	13	11 (84.6)	1 (7.7)	-	-	-	1 (7.7)	-
GRAND TOTAL	3,567	1,915 (53.7)	841 (23.6)	179 (5.0)	50 (1.4)	97 (2.7)	167 (4.7)	318 (8.9)

Full-Time Employment for Master's Degree Graduates

The relative success of master's graduates in obtaining full-time employment is indicated in Table 8. In this table graduates in each major discipline are ranked from high to low according to the proportion of graduates in each discipline with full-time employment. That architecture, law and interdisciplinary studies rank highest is due in part to the small number of highly employed respondents in these categories. Table 8 also compares employment of master's graduates with bachelor's graduates of 1979.

Table 8

Full-Time Employment in 1979 for
Master's Versus Baccalaureate Graduates

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Architecture and Env. Des.	100.0	74.4	Library Science	75.4	76.2
Law	100.0	28.6	Area Studies	75.0	50.0
Interdisc. Studies	92.3	59.9	Social Sciences	70.2	56.6
Health Professions	90.1	88.9	Fine and App. Arts	67.1	62.2
Business and Management	90.0	78.7	Mathematics	65.3	74.6
Public Affairs and Servs.	88.8	70.8	Letters	65.1	56.7
Education	88.7	73.9	Agri. and Nat. Res.	62.5	66.7
Communications	87.5	70.3	Physical Sciences	58.1	45.7
Foreign Languages	83.3	58.1	Biological Sci.	52.1	36.9
Engineering	80.2	88.5	Psychology	50.0	53.9
Computer and Info. Sci.	76.3	89.0	Home Economics	50.0	74.3

Master's Graduates Employed in Their Field of Preparation

Table 9 ranks the proportion of full-time employed master's graduates in each major discipline who were employed in their field of preparation in 1979. Comparable statistics for baccalaureate graduates are included.

Table 9

Percentage of Full-Time Employed Master's
Graduates Employed in Field of Preparation, 1979

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Home Economics	100.0	88.0	Letters	90.0	48.3
Interdisc. Studies	100.0	56.5	Fine and App. Arts	89.1	67.2
Law	100.0	50.0	Library Science	88.4	85.0
Health Professions	97.8	97.5	Mathematics	87.5	83.9
Engineering	97.8	96.4	Psychology	87.0	51.8
Business and Management	96.8	85.1	Publ. Aff. and Ser.	86.7	72.2
Physical Sciences	95.3	78.6	Foreign Languages	85.0	41.1
Arch. and Environ. Des.	94.4	93.1	Biological Sci.	84.2	61.3
Computer and Info. Sci.	93.1	95.1	Agri. and Nat. Res.	80.0	78.9
Education	91.5	78.2	Social Sciences	74.2	50.8
Communications	90.5	72.1			

Master's Graduates Employed in Pennsylvania

Table 10 shows the percent of the full-time employed master's graduates in each major discipline who were employed in Pennsylvania in 1979. Comparable 1978 baccalaureate statistics are included in Table 10.

Table 10

Percentage of Full-Time Employed Master's Graduates Employed in Pennsylvania, 1979

Major Discipline	Percent Master's	Percent Bachelor's	Major Discipline	Percent Master's	Percent Bachelor's
Area Studies	100.0	53.3	Foreign Lang.	65.0	59.8
Law	100.0	50.0	Arch. and Envir. Des.	61.1	59.7
Interdisc. Studies	91.7	65.1	Computer and Info. Sci.	58.6	64.8
Education	85.5	73.9	Library Science	58.1	70.0
Biological Sciences	81.6	63.4	Communications	57.1	73.8
Psychology	76.1	73.3	Business and Mgt.	51.6	72.0
Health	73.4	83.3	Agric. and Nat. Res.	50.0	57.7
Mathematics	71.9	54.3	Fine and Appl. Arts	49.1	66.7
Social Sciences	71.2	60.8	Physical Sciences	41.9	54.1
Letters	70.0	62.2	Engineering	41.8	42.7
Public Affairs and Servs.	65.2	75.5	Home Economics	33.3	70.1

Master's Graduates Who Pursue Advanced Degrees

Table 11 shows the proportion of master's graduates pursuing advanced studies compared with bachelor's graduates for 1979.

Table 11

Master's Graduates Pursuing Advanced Degrees in 1979 Compared to Baccalaureate Graduates

Major Discipline	Percent Master's	Percent Bachelor's	Major Discipline	Percent Master's	Percent Bachelor's
Biological Sciences	39.7	52.2	Engineering	18.1	9.0
Psychology	39.1	27.5	Library Science	12.3	10.5
Physical Sciences	33.8	45.6	Foreign Lang.	8.3	23.9
Home Economics	33.1	9.6	Health Professions	6.4	4.8
Mathematics	32.7	20.2	Fine and Appl. Arts	6.1	16.1
Agriculture and Nat. Res.	28.1	14.9	Business and Mgt.	4.3	7.0
Area Studies	25.0	30.0	Communications	4.2	7.6
Computer and Info. Sci.	23.7	6.0	Education	3.9	8.0
Letters	21.5	29.4	Public Affairs and Ser.	1.0	9.9
Social Sciences	19.1	29.8			

Table 12

Employment Status by Major Discipline for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	3	-	3 (100.0)	-	-	-	-	-
Biological Sciences	19	7 (36.8)	10 (52.6)	-	-	-	-	2 (10.5)
Business and Management	8	1 (12.5)	7 (87.5)	-	-	-	-	-
Communications	1	1 (100.0)	-	-	-	-	-	-
Computer and Information Sciences	6	-	6 (100.0)	-	-	-	-	-
Education	100	54 (54.0)	27 (27.0)	8 (8.0)	1 (1.0)	5 (5.0)	5 (5.0)	-
Engineering	47	9 (19.1)	37 (78.7)	-	1 (2.1)	-	-	-
Fine and Applied Arts	1	-	-	-	-	-	1 (100.0)	-
Foreign Languages	4	2 (50.0)	-	-	-	1 (25.0)	1 (25.0)	-
Health Professions	18	18 (100.0)	-	-	-	-	-	-
Home Economics	6	2 (33.3)	4 (66.7)	-	-	-	-	-
Law	10	8 (80.0)	-	-	-	-	2 (20.0)	-
Letters	16	5 (31.5)	8 (50.0)	-	-	1 (6.2)	2 (12.5)	-
Mathematics	11	2 (18.2)	8 (72.7)	-	-	1 (9.1)	-	-
Physical Sciences	33	9 (7.3)	21 (63.4)	-	-	-	3 (9.1)	-
Psychology	35	19 (54.3)	12 (34.3)	-	-	3 (8.6)	1 (2.8)	-
Public Affairs and Services	3	1 (33.3)	2 (66.7)	-	-	-	-	-
Social Sciences	18	6 (33.3)	6 (33.3)	3 (16.7)	-	-	2 (11.1)	1 (5.5)
GRAND TOTAL	339	144 (42.5)	151 (44.5)	11 (3.2)	2 (0.6)	11 (3.2)	17 (5.0)	3 (0.9)

RESULTS FOR DOCTORAL GRADUATES

A brief overview of the postgraduation status for doctoral graduates for 1976 through 1979 follows:

Year	Responding Graduates	Results for Doctoral Graduates: Full Time	Part Time	Un-employed	Advanced Degree	Full-Time Employed: Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1976	453	86.9	1.8	5.3	6.0	93.7	44.4
1977	500	90.8	3.6	4.2	1.4	90.3	57.0
1978	449	88.8	3.3	4.0	3.8	89.0	54.6
1979	339	90.9	3.2	5.0	0.9	95.8	50.3

Table 12 gives the postgraduation activities for persons receiving doctoral degrees from Pennsylvania institutions in 1979.

Full-Time Employment for Doctoral Graduates

Table 13 ranks each major discipline according to the percentage of doctoral graduates with full-time employment in 1979. Low return rates for several major disciplines may result in unduly high employment percentages in such areas. It is evident that doctoral graduates as a whole enjoy high rates of full-time employment.

Table 13

Full-Time Employment in 1979 for Doctoral Versus Baccalaureate and Master's Graduates

Major Discipline	Percent: Doctoral	Master's	Bachelor's
Agriculture and Natural Resources	100.0	62.5	66.7
Business and Management	100.0	90.0	78.7
Communications	100.0	87.5	70.3
Computer and Information Sciences	100.0	76.3	89.0
Engineering	100.0	80.2	85.5
Health Professions	100.0	90.1	88.9
Home Economics	100.0	50.0	74.3
Public Affairs and Services	100.0	88.7	71.0
Mathematics	90.9	65.3	74.6
Physical Sciences	90.9	58.1	45.7
Education	90.0	88.7	73.9
Biological Sciences	89.5	52.1	36.9
Psychology	86.6	50.0	53.9
Social Sciences	83.3	70.2	56.7
Library Science	81.3	75.4	76.2
Law	80.0	100.0	28.6
Foreign Languages	50.0	83.3	58.1

Doctoral Graduates Employed in Their Field of Preparation

Table 14 shows the high proportion of employed doctoral graduates working in their field of preparation. Examination of these proportions and ranks of graduates among the various disciplines reflects the high probability of doctoral degree recipients being employed in their field of preparation.

Table 14

Percentage of Full-Time Employed Doctoral Graduates Employed in Their Field of Preparation, 1979

Major Discipline	Percent		
	Doctoral	Master's	Bachelor's
Agriculture and Natural Resources	100.0	80.0	78.9
Biological Sciences	100.0	84.2	61.3
Business and Management	100.0	96.8	85.1
Communications	100.0	90.5	72.1
Computer and Information Sciences	100.0	93.1	95.1
Foreign Languages	100.0	85.0	41.1
Health Professions	100.0	97.8	97.5
Home Economics	100.0	100.0	88.0
Law	100.0	100.0	50.0
Library Science	100.0	88.4	85.0
Mathematics	100.0	87.5	83.9
Physical Sciences	100.0	95.3	78.6
Psychology	100.0	87.0	51.8
Public Affairs and Services	100.0	86.7	72.2
Engineering	97.9	97.8	96.4
Education	90.0	91.5	78.2
Social Sciences	80.0	74.2	50.8

Doctoral Graduates Employed in Pennsylvania

Table 15 shows the proportion of full-time employed doctoral graduates employed in Pennsylvania. The list in Table 15 shows that over 50 percent of the doctoral-level graduates in seven of the 15 major disciplines listed find employment outside Pennsylvania.

Table 15

Percentage of Full-Time Employed Doctoral Graduates Employed in Pennsylvania, 1979

Major Discipline	Percent		
	Doctoral	Master's	Bachelor's
Communication	100.0	57.1	73.8
Foreign Languages	100.0	65.0	59.8
Health Professions	100.0	73.4	83.3
Law	100.0	100.0	50.0
Education	68.9	85.5	73.9
Psychology	61.3	76.1	73.3
Social Sciences	60.0	71.2	60.8
Biological Sciences	41.2	81.1	63.4
Library Science	38.5	58.1	70.0
Home Economics	33.3	33.3	70.1
Public Affairs and Services	33.3	65.1	75.7
Physical Sciences	30.0	41.9	54.1
Mathematics	20.0	71.9	54.3
Engineering	19.1	41.6	42.7
Business and Management	12.5	51.6	72.0

RESULTS FOR FIRST-PROFESSIONAL GRADUATES

Employment of first-professional degree graduates is high. Also, of those employed full time, most are employed in their field of preparation and the majority show initial employment insiue Pennsylvania over the past four years.

Year	Responding Graduates	Results, First-Professional Graduates: Full Time	Part Time	Un-employed	Advanced Degree	Full-Time Employed: Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1976	2,593	92.6	1.3	1.9	4.2	98.6	60.5
1977	2,645	91.9	0.5	2.2	5.4	96.4	57.1
1978	2,567	94.8	0.7	1.8	2.6	98.5	57.3
1979	2,290	95.1	1.3	1.5	2.1	98.8	60.0

Table 16 (on page 17) gives the postgraduation status of 2,290 graduates of first-professional degree programs in Pennsylvania institutions.

Full-Time Employment for First-Professional Graduates

Table 17 ranks the major fields according to the percentage of first-professional graduates in each field with full-time employment and compares 1979 results with those for 1978.

Table 17

Percentage of First-Professional Degree Graduates with Full-Time Employment

Major Discipline	Percent 1978	Percent 1979	Rank 1978	Rank 1979
Osteopathy	-	100.0	-	1.5
Podiatry	100.0	100.0	1	1.5
Medicine (M.D.)	99.3	99.9	2	3
Veterinary Medicine	89.7	96.9	4	4
Law	92.2	93.3	3	5
Optometry	85.1	85.9	6	6
Dentistry	89.1	76.8	5	7

First-Professional Graduates Employed in Field of Preparation

Table 18 ranks each major discipline in terms of the percentage of fully employed graduates having employment in their professional specialty and compares the 1979 with the 1978 results.

Table 18

Percentage of Full-Time Employed First-Professional Graduates Employed in Their Field of Preparation

Major Discipline	Percent 1978	Percent 1979	Rank 1978	Rank 1979
Medicine	100.0	100.0	2.5	3
Optometry	98.8	100.0	6	3
Osteopathy	-	100.0	2.5	3
Podiatry	100.0	100.0	2.5	3
Veterinary Medicine	100.0	100.0	2.5	3
Law	96.2	99.1	7	6
Dentistry	100.0	88.4	2.5	7

Table 16

Employment Status by Major Discipline for First-Professional Degree Recipients for All Institutions in Pennsylvania, 1979

HEGIS Degree Field	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Dentistry (D.D.S. or D.M.D. Degree)	224	90 (40.2)	62 (27.7)	15 (6.7)	5 (2.2)	16 (7.1)	7 (3.1)	29 (12.9)
Medicine (M.D. Degree)	868	406 (46.8)	461 (53.1)	- -	- -	- -	- -	1 (0.1)
Optometry (O.D. Degree)	64	24 (37.5)	31 (48.4)	- -	- -	5 (7.8)	2 (3.1)	2 (3.1)
Osteopathic Medicine (D.O. Degree)	199	142 (71.4)	57 (28.6)	- -	- -	- -	- -	- -
Podiatry (Pod.D., D.P.) or Podiatric Medicine (D.P.M.) (Include Chiropody)	114	51 (44.7)	63 (55.3)	- -	- -	- -	- -	- -
Law, General (LL.B. or J.D. Degree)	718	435 (60.6)	229 (31.9)	4 (0.6)	2 (0.3)	9 (1.2)	25 (3.5)	14 (1.9)
Veterinary Medicine	97	52 (56.6)	42 (43.3	- -	- -	- -	- -	3 (3.1)
Other	6	- -	6 (100.0)	- -	- -	- -	- -	- -
GRAND TOTAL	2,290	1,200 (52.4)	951 (41.5)	19 (0.8)	7 (0.3)	30 (1.3)	34 (1.5)	49 (2.1)

First-Professional Graduates Employed in Pennsylvania

Table 19 compares the percentage of fully employed first-professional graduates employed in Pennsylvania shortly after their graduation both in 1978 and 1979.

Table 19

Percentage of Full-Time Employed First-Professional Degree Graduates Employed in Pennsylvania

Major Discipline	Percent		Rank	
	1978	1979	1978	1979
Osteopathy	-	71.4	-	1
Law	68.9	65.5	1	2
Dentistry	53.6	61.0	2	3
Veterinary Medicine	46.0	55.3	4	4
Medicine (M.D.)	52.0	46.8	3	5
Podiatry	40.2	44.7	5	6
Optometry	33.8	43.6	6	7

First-Professional Graduates Who Pursue Advanced Degrees

As noted in Table 16, first-professional graduates in the following major disciplines and percentages pursued advanced degrees shortly after being graduated in 1979: dentistry, 12.9; veterinary medicine, 3.1; optometry, 3.1; and medicine (M.D.), 0.1.

RESULTS FOR ASSOCIATE DEGREE GRADUATES

The postgraduation activities results given in Table 20 represent 8,860 associate degree graduates from all types of Pennsylvania institutions in 1979. Highlighted below is the postgraduation status of associate degree graduates for 1976 through 1979.

Year	Responding Graduates	Results for Associate Graduates				Full-Time Employed	
		Full Time	Part Time	Un-employed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1976	8,687	60.4	2.0	8.4	29.2	86.3	90.5
1977	8,589	63.0	4.5	4.9	27.6	87.2	84.2
1978	9,128	68.5	3.5	6.1	21.9	85.7	86.9
1979	8,860	71.7	2.2	4.2	21.9	87.0	84.6

Full-Time Employment for Associate Degree Graduates

In Table 21 the employment success of associate degree graduates in 1979 in each major discipline is ranked from high to low.

Table 20

Employment Status by Major Discipline for Associate Degree Recipients for All Institutions in Pennsylvania, 1979

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	434	313 (72.1)	44 (10.1)	18 (4.2)	1 (0.2)	3 (0.7)	31 (7.1)	24 (5.5)
Health Services and Para-Medical Technologies	1,428	1,092 (76.5)	65 (4.5)	39 (2.7)	1 (0.1)	45 (3.2)	53 (3.7)	133 (9.3)
Mechanical and Engineering Technologies	2,193	1,133 (51.7)	610 (27.8)	132 (6.0)	13 (0.6)	49 (0.5)	131 (3.1)	506 (10.3)
Natural Science Technologies	214	106 (49.5)	17 (7.9)	38 (17.8)	- -	14 (6.5)	15 (7.0)	24 (11.2)
Business and Commerce Technologies	2,523	1,498 (59.4)	141 (5.6)	187 (7.4)	13 (0.5)	49 (1.9)	131 (5.2)	506 (20.0)
Public Service-Related Technologies	508	217 (42.7)	7 (1.4)	79 (15.6)	2 (0.4)	26 (5.1)	23 (4.5)	154 (30.3)
Arts and Science Transfers	1,560	275 (17.6)	7 (0.5)	270 (17.3)	34 (2.2)	46 (2.9)	47 (3.0)	881 (56.5)
GRAND TOTAL	8,860	4,623 (52.3)	891 (10.1)	763 (8.6)	64 (0.7)	192 (2.2)	369 (4.2)	1,947 (21.9)

Table 21

Percentage of Associate Degree Graduates with Full-Time Employment

Major Discipline	Percent 1978	Percent 1979	Rank 1978	Rank 1979
Data Processing Tech.	80.5	86.6	3	1
Mechanical and Engineering Tech.	82.3	86.1	1	2
Health Services and Para-Med. Tech.	82.0	83.8	2	3
Natural Science Tech.	71.1	75.2	5	4
Business and Commerce Tech.	75.7	72.9	4	5
Public Service Related Tech.	63.2	60.0	6	6
Arts and Science Transfers	33.9	37.6	7	7

Percentage Changes in Full-Time Employment, Associate Level, 1978-1979

	Percent Increase		Percent Decrease
Data Processing Tech.	6.1	Public Service Related Tech.	3.2
Natural Science Tech.	4.1	Business and Commerce Tech.	2.9
Mechanical and Engineering Tech.	3.8		
Arts and Science Transfers	2.7		
Health Serv. and Para-Med. Tech.	1.8		

Associate Degree Graduates Employed in Their Field of Preparation

Of graduates with full-time employment, Table 22 gives the percentage having full-time employment in their fields of preparation after graduation in 1978 and 1979.

Table 22

Percentage of Full-Time Employed Associate Degree Graduates Employed in Their Field of Preparation

Major Discipline	Percent 1978	Percent 1979	Rank 1978	Rank 1979
Health Services and Para-Med. Tech.	97.0	96.7	1	1
Data Processing Tech.	87.1	94.9	4	2
Mechanical and Engineering Tech.	91.2	92.3	2	3
Business and Commerce Tech.	87.5	89.1	3	4
Natural Science Tech.	80.4	76.4	5	5
Public Service Related Tech.	75.3	73.4	6	6
Arts and Science Transfers	52.7	48.1	7	7

Increases and decreases in associate level graduates' employment in their fields of preparation between 1978 and 1979 are as follows:

Percentage Changes in Employment in Field of Preparation, 1978-1979

	Percent Increase		Percent Decrease
Data Processing Tech.	7.8	Arts and Science Transfers	4.6
Business and Commerce Tech.	1.6	Natural Science Tech.	4.0
Mechanical and Engineering Tech.	1.1	Public Service-Related Tech.	1.9
		Health Service and Para-Med. Tech.	0.3

Associate Degree Graduates Employed in Pennsylvania

Table 23 represents the percentage and ranks of all employed associate degree graduates employed in Pennsylvania in 1978 and 1979. This tables shows declines in employment in Pennsylvania for graduates in all major disciplines except public services, data processing and health services.

Table 23

Percentage of Full-Time Employed Associate Degree Graduates Employed in Pennsylvania

Major Discipline	Percent		Rank	
	1978	1979	1978	1979
Public Services-Related Tech.	93.9	97.0	2.5	1
Health Services and Para-Med. Tech.	94.5	94.5	1	2
Arts and Science Transfers	93.9	93.0	2.5	3
Business and Commerce Tech.	92.3	91.6	4	4
Natural Science Tech.	89.7	89.4	5	5
Data Processing Tech.	85.8	88.0	6	6
Mechanical and Engineering Tech.	67.8	67.0	7	7

The lists below show the changes in the percentage of associate degree graduates employed in Pennsylvania over the one-year period between 1978 and 1979.

Changes in Associate Level Employment in Pennsylvania, 1978-1979

	Percent Increase		Percent Decrease
Public Service Related Tech.	3.1	Arts and Science Transfers	0.9
Data Processing Tech.	2.2	Mechanical and Engineering Tech.	0.8
Health Service and Para-Med Tech.	0.0	Business and Commerce Tech.	0.7
		Natural Science Tech.	0.3

Associate Degree Graduates Pursuing Advanced Degrees

Table 24 ranks the percentage of associate degree graduates who in 1978 and 1979 pursued advanced degrees.

Table 24

Percentage of Associate Degree Graduates Pursuing Advanced Degrees, Ranked by Major Discipline, 1979

Major Discipline	Percent		Rank	
	1978	1979	1978	1979
Arts and Science Transfers	57.5	56.5	1	1
Public Service-Related Tech.	22.1	30.3	2	2
Business and Commerce Tech.	13.2	20.0	4	3
Natural Science Tech.	15.8	11.2	3	4
Mechanical and Engineering Tech.	11.5	10.3	5	5
Health Service and Para-Med. Tech.	8.6	9.3	6	6
Data Processing Tech.	7.7	5.5	7	7

Listed below are the changes in the percentage of associate degree graduates pursuing advanced degrees shortly after their graduation in 1978 and 1979.

Changes in Associate Graduates Pursuing Advanced Degrees, 1978-1979

	Percent Increase		Percent Decrease
Public Service Related Tech.	8.2	Natural Science Tech.	4.6
Business and Commerce Tech.	6.8	Data Processing Tech.	2.2
Health Service and Para-Med. Tech.	0.7	Mechanical and Engineering Tech.	1.2
		Arts and Sciences Transfers	1.0

DISCUSSION

1. Full-time employment increased 3.5 percent for bachelor's graduates in 1979 over 1978. Employment increases averaging 2.7 percent occurred for Pennsylvania graduates at all five degree levels in 1979.

2. An average of 82.3 percent of full-time employed respondents of all degree levels in 1979 were reported as being employed in their fields of preparation.

3. In 1979 an average of 70.1 percent of all full-time employed respondents reported being employed in Pennsylvania. This figure was 72 percent in 1978.

   The relatively higher percentage of associate, bachelor's and master's graduates employed in Pennsylvania is due to their degrees having a higher regional demand in contrast to doctoral and first-professional level graduates, who tend to go where internships in their specialties are available, or where there is a high demand for their professional specialty--which may be in the national or international market.

4. This study shows that at the master's, doctoral and first-professional degree levels the proportion of graduates with full-time employment ranges from 84 to 95 percent. This refutes the conventional wisdom that large numbers of such graduates are unemployed.

5. A resurvey of Pennsylvania's bachelor's graduates of 1974 showed that full-time employment increased over a two and one-half year period by an overall average of 12 percent for graduates in 19 of the 23 disciplines. Large to moderate employment gains were also made over the resurvey period by bachelor's graduates

in most of the major disciplines consistently ranking low in initial employment. Several disciplines which illustrate some increases in employment and consequently increases in rank position are area studies, social studies, and foreign languages.

6. When the major disciplines are ranked according to the percentage of bachelor's graduates in each major discipline with full-time employment, the top 12 disciplines which rank high for employment rank low for those pursuing advanced degrees. These 12 disciplines tend to prepare students for bachelor's degree entry level jobs. Conversely, the 11 remaining disciplines, which rank low for initial employment and high for those pursuing advanced degrees, include some occupations for which master's or higher degrees are considered necessary. The net effect is that both groups averaged the same unemployment rate over the past six years.

   Several questions are raised by the fact that the major disciplines ranking low for initial employment rank high in the proportion of graduates pursuing advanced degrees: (1) What percentage of these graduates are pursuing additional degree requirements needed to advance their professional preparation? (2) What percentage may be retreating from a sluggish job market in their fields? (3) Do the graduates have sufficient skills in seeking employment? (4) Do they institute their search for employment sufficiently early?

7. This report indicates Pennsylvania's higher education programs are generally relevant to postgraduation pursuits in a broad spectrum of occupations.

APPENDIX

The tables in the appendix supplement those in the text. The 25.0 table series give the survey response data for graduates in each major discipline, degree level and category of institution. Table series 26.0 through 29.0 give postgraduation employment status data for graduates in each major discipline, degree level and institutional type. Postgraduation information is given by degree field and institutional category for bachelor's, master's, doctoral and associate degree graduates in series 30.0 through 33.0.

Table 25.0

Number of Returns Received from Four-Degree Levels of Graduates Compared with the Number of Graduates for All Institutions by Major Discipline, 1979

Major Discipline	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
Agriculture and Natural Resources	1,053	695 (66.0)	946	660 (69.8)	89	32 (36.0)	18	3 (16.7)	-	-
Architecture and Environmental Design	475	111 (23.4)	253	93 (36.8)	207	18 (8.7)	15	-	-	-
Area Studies	160	34 (21.3)	131	30 (22.9)	21	4 (19.0)	8	-	-	-
Biological Sciences	3,565	1,895 (53.2)	3,088	1,803 (35.1)	326	73 (22.4)	151	19 (12.6)	-	-
Business and Management	13,349	6,394 (47.9)	10,753	5,686 (52.9)	2,528	700 (27.7)	68	8 (11.8)	-	-
Communications	1,182	644 (54.5)	1,073	619 (57.7)	102	24 (23.5)	7	1 (14.3)	-	-
Computer and Information Sciences	695	408 (58.7)	513	364 (80.0)	158	38 (24.1)	24	6 (25.0)	-	-
Education	13,254	7,298 (55.1)	7,732	5,710 (73.8)	5,083	1,488 (29.3)	439	100 (22.8)	-	-
Engineering	5,046	2,589 (51.3)	4,063	2,315 (57.0)	827	227 (27.4)	156	47 (20.1)	-	-
Fine and Applied Arts	2,272	1,095 (48.1)	1,977	1,017 (51.2)	270	82 (30.4)	25	1 (4.0)	-	-
Foreign Languages	848	417 (49.2)	706	389 (55.1)	106	24 (22.6)	36	4 (11.1)	-	-
Health Professions	6,263	3,636 (58.1)	3,476	1,844 (53.0)	648	202 (31.2)	57	18 (31.0)	2,082	1,572 (75.5)
Home Economics	1,166	583 (50.0)	1,065	571 (53.6)	86	6 (7.0)	15	6 (40.0)	-	-
Law	1,381	736 (52.3)	7	7 (100.0)	81	1 (1.2)	-	10	1,293	718 (55.5)
Letters	3,257	1,340 (41.1)	2,787	1,275 (45.7)	376	65 (17.3)	94	-	-	-
Library Science	439	178 (40.5)	53	105	372	57 (15.3)	14	16	-	-
Mathematics	955	485 (50.8)	766	425 (55.5)	159	49 (30.8)	30	11 (36.7)	-	-
Physical Sciences	2,244	1,099 (49.0)	1,793	992 (55.3)	299	74 (24.7)	152	33 (21.7)	-	-
Psychology	2,740	1,216 (44.4)	2,354	1,089 (46.3)	323	92 (28.5)	63	35 (55.6)	-	-
Public Affairs and Services	3,717	1,454 (39.1)	2,700	1,247 (46.2)	971	204 (21.0)	46	3 (6.5)	-	-
Social Sciences	7,137	3,184 (44.6)	6,508	3,072 (47.2)	459	94 (20.[illegible])	170	18 (10.6)	-	-
Theology	354	162 (45.[illegible])	253	162 (64.0)	59	-	2	-	40	-
Interdisciplinary Studies	1,420	362 (25.5)	1,316	349 (26.5)	91	13 (14.3)	13	-	-	-
GRAND TOTAL	72,972	36,001 (49.4)	54,313	29,819 (54.9)	13,641	3,567 (26.1)	1,603	339 (21.1)	3,415	2,290 (67.1)

*Does not include 579 graduates of theological seminaries which were not included in this survey.

Table 25.1

Number of Returns Received from Graduates at Four-Degree Levels as Compared with the Number of Graduates for All Institutions Within Institutional Category in Pennsylvania, 1979

Institutional Category	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
State Colleges & University	15,211	10,052 (66.1)	12,572	8,917 (70.9)	2,634	1,130 (42.9)	5	5 (100.0)	-	-
State-Related	22,645	9,032 (39.9)	15,463	6,710 (43.4)	4,962	1,399 (28.2)	980	206 (21.0)	1,240	717 (57.8)
State-Aided	8,664	2,548 (29.4)	4,436	1,173 (26.4)	2,257	121 (5.4)	394	14 (3.6)	1,577	1,240 (78.6)
Private Colleges & Universities	26,452	14,369 (54.3)	21,842	13,019 (59.6)	3,788	917 (24.2)	224	114 (50.9)	598	319 (53.3)
GRAND TOTAL	72,972	36,001 (49.3)	54,313	29,819 (54.9)	13,641	3,567 (26.1)	1,603	339 (21.1)	3,415	2,276 (66.6)

Table 25.2

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Major Discipline, 1979

Major Discipline	Associate Degrees Awarded in Pennsylvania, 1979	Number of Returns	Percent of Returns
Data Processing Technologies	970	434	44.7
Health Services & Para-Medical Technologies	2,508	1,428	56.9
Mechanical & Engineering Technologies	3,121	2,193	70.3
Natural Sciences Technologies	448	214	47.8
Business & Commerce Technologies	5,257	2,523	48.0
Public Service-Related Technologies	1,197	508	42.4
Arts and Science Transfers	3,816	1,560	40.9
GRAND TOTAL	17,317*	8,860	51.2

*Total includes 1,647 private junior college graduates not part of this study. Also 54.6 percent of the associate degrees are based on work not wholly or chiefly creditable toward a bachelor's degree.

Table 25.3

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Institutional Category, 1979

Major Discipline	Associate Degree Awarded in Pennsylvania, 1979	Number of Returns	Percent of Returns
Community Colleges	7,962	4,552	57.2
Colleges & Universities	5,146*	1,914	37.1
Proprietary Institutions	4,209	2,394	56.9
GRAND TOTAL	17,317	8,860	56.5

*Contains 1,647 private junior college graduates not part of study; actual percent of return for college and universities is 54.7.

Table 26.0

Employment Status by Major Discipline for Baccalaureate Degree Recipients in the State Colleges and University in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	41	3 (7.3)	13 (31.7)	9 (22.0)	5 (12.2)	3 (7.3)	7 (17.1)	1 (2.4)
Architecture and Environmental Design	3	-	2 (66.7)	-	-	-	1 (33.3)	-
Biological Sciences	291	87 (29.9)	20 (6.9)	49 (16.8)	14 (4.8)	4 (1.4)	42 (14.4)	75 (25.8)
Business and Management	1,485	743 (50.0)	222 (15.0)	117 (11.9)	37 (2.5)	24 (1.6)	225 (15.2)	57 (3.8)
Communications	139	52 (37.4)	22 (15.8)	27 (19.4)	7 (5.0)	2 (1.4)	19 (13.7)	10 (7.2)
Computer Sciences	152	94 (61.8)	37 (24.3)	8 (5.2)	1 (0.7)	1 (0.7)	5 (3.3)	6 (4.0)
Education	3,795	1,609 (43.4)	641 (16.9)	501 (13.2)	112 (3.0)	334 (8.8)	316 (8.3)	282 (7.4)
Engineering	1	-	-	-	1 (100.0)	-	-	-
Fine and Applied Arts	270	81 (30.0)	29 (10.7)	54 (20.0)	9 (3.3)	22 (8.2)	47 (17.4)	28 (10.4)
Foreign Languages	74	7 (9.5)	9 (12.2)	26 (35.1)	3 (4.0)	2 (2.7)	14 (19.0)	13 (17.6)
Health Professions	381	298 (78.2)	50 (13.1)	4 (1.1)	1 (0.3)	1 (0.5)	10 (2.6)	16 (4.2)
Home Economics	236	152 (64.4)	38 (16.1)	4 (1.7)	-	1 (0.4)	21 (8.9)	20 (8.5)
Letters	156	42 (26.9)	6 (3.9)	40 (25.6)	8 (5.1)	6 (3.9)	30 (19.2)	24 (15.4)
Library Science	101	42 (41.6)	23 (22.8)	11 (10.9)	1 (1.0)	5 (4.9)	8 (7.9)	11 (10.9)
Mathematics	102	38 (37.3)	17 (16.7)	16 (15.7)	3 (2.9)	1 (1.0)	9 (8.8)	18 (17.6)
Physical Sciences	167	49 (29.3)	23 (13.8)	17 (10.2)	4 (2.4)	7 (4.2)	20 (12.0)	47 (28.1)
Psychology	273	72 (26.4)	14 (5.1)	61 (22.3)	17 (6.2)	9 (3.3)	46 (16.9)	54 (19.8)
Public Affairs and Services	439	182 (41.5)	53 (12.1)	62 (14.1)	26 (5.9)	20 (4.5)	78 (17.8)	18 (4.1)
Social Sciences	758	228 (30.1)	89 (11.7)	156 (20.6)	53 (7.0)	22 (2.9)	107 (14.1)	103 (13.6)
Interdisciplinary Studies	53	14 (26.4)	4 (7.5)	9 (17.0)	4 (7.5)	6 (11.3)	8 (15.1)	8 (15.1)
GRAND TOTAL	8,917	3,793 (42.5)	1,312 (14.7)	1,231 (13.8)	306 (3.4)	471 (5.3)	1,013 (11.4)	791 (8.9)

Table 26.1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Unemployed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	397	112 (28.2)	72 (18.1)	43 (10.8)	13 (3.3)	31 (7.8)	64 (16.1)	62 (15.6)
Architecture and Environmental Design	51	20 (39.2)	13 (25.5)	4 (7.8)	-	-	7 (13.7)	7 (13.7)
Area Studies	9	2 (22.2)	-	1 (11.1)	-	1 (11.1)	2 (22.2)	3 (33.3)
Biological Sciences	329	45 (13.7)	23 (7.0)	49 (14.9)	20 (6.1)	22 (6.7)	21 (6.3)	149 (45.3)
Business and Management	1,137	509 (44.8)	205 (18.0)	144 (12.7)	40 (3.5)	43 (3.8)	132 (11.6)	64 (5.6)
Communications	272	94 (34.6)	30 (11.0)	37 (13.6)	16 (5.9)	39 (14.3)	44 (16.2)	12 (4.4)
Computer and Information Sciences	119	52 (43.7)	45 (37.8)	1 (0.8)	4 (3.4)	6 (5.0)	2 (1.7)	9 (7.6)
Education	883	324 (36.7)	69 (7.8)	119 (13.5)	33 (3.7)	126 (14.3)	118 (13.4)	94 (10.6)
Engineering	922	376 (40.8)	415 (45.0)	22 (2.4)	21 (2.3)	3 (0.3)	21 (2.3)	64 (6.9)
Fine and Applied Arts	120	16 (13.3)	8 (6.7)	21 (17.5)	5 (4.2)	25 (20.8)	19 (15.8)	26 (21.7)
Foreign Languages	70	13 (18.6)	8 (11.4)	21 (30.0)	3 (4.3)	4 (.7)	8 (11.4)	13 (18.6)
Health Professions	386	253 (65.5)	48 (12.4)	19 (4.9)	4 (1.0)	20 (5.2)	21 (5.4)	21 (5.4)
Home Economics	222	65 (29.3)	47 (21.2)	24 (10.8)	10 (4.5)	25 (11.2)	29 (13.1)	22 (9.9)
Law	4	1 (25.0)	-	-	-	-	-	3 (75.0)
Letters	263	43 (16.3)	27 (10.3)	52 (19.8)	19 (7.2)	26 (9.9)	36 (13.7)	60 (22.8)
Mathematics	24	6 (25.0)	5 (20.8)	3 (12.5)	-	2 (8.3)	-	8 (33.3)
Physical Sciences	278	45 (16.2)	52 (18.7)	24 (8.6)	14 (5.0)	14 (5.0)	23 (8.3)	106 (38.1)
Psychology	197	26 (13.2)	3 (1.5)	54 (27.4)	8 (4.1)	32 (16.2)	24 (12.2)	50 (25.4)
Public Affairs and Services	390	131 (33.6)	35 (9.0)	63 (16.2)	22 (5.6)	29 (7.4)	57 (14.6)	53 (13.6)
Social Sciences	446	59 (13.2)	23 (5.2)	108 (24.2)	36 (8.1)	39 (8.7)	55 (12.3)	126 (28.2)
Interdisciplinary Studies	191	147 (14.7)	12 (6.3)	38 (19.9)	18 (5.4)	16 (8.4)	23 (12.0)	56 (29.3)
GRAND TOTAL	6,710	2,220 (33.1)	1,140 (17.0)	847 (12.6)	286 (4.3)	503 (7.5)	706 (10.5)	1,008 (15.0)

Table 26.2

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	199	71 (35.7)	70 (35.2)	13 (6.5)	8 (4.0)	4 (2.0)	8 (4.0)	25 (12.6)
Architecture and Environmental Design	4	3 (75.0)	1 (25.0)	-	-	-	-	-
Biological Sciences	39	10 (25.6)	9 (23.1)	2 (5.1)	3 (7.7)	1 (2.6)	1 (2.6)	13 (33.3)
Business and Management	374	245 (65.5)	66 (17.6)	43 (11.5)	-	1 (0.3)	3 (0.8)	16 (4.3)
Computer Sciences	12	6 (50.0)	1 (8.3)	-	-	-	-	5 (41.7)
Education	7	7 (100.0)	-	-	-	-	-	-
Engineering	230	94 (40.9)	112 (48.7)	-	-	-	-	24 (10.4)
Fine and Applied Arts	121	43 (35.5)	34 (28.1)	16 (13.2)	5 (4.1)	10 (8.3)	5 (4.1)	8 (6.6)
Health Professions	158	114 (72.2)	27 (17.1)	2 (1.3)	2 (1.3)	-	7 (4.4)	6 (3.8)
Home Economics	3	1 (33.3)	2 (66.7)	-	-	-	-	-
Mathematics	8	4 (50.0)	-	-	-	-	-	4 (50.0)
Physical Sciences	14	4 (28.6)	5 (35.7)	-	-	-	-	5 (35.7)
Public Affairs and Services	4	3 (75.0)	-	1 (25.0)	-	-	-	-
GRAND TOTAL	1,173	605 (51.6)	327 (27.9)	77 (6.6)	18 (1.5)	16 (1.4)	24 (2.0)	106 (9.0)

Table 26,3

Employment Status by Major Discipline for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	23	1 (4.4)	5 (21.7)	2 (8.7)	-	-	5 (21.7)	10 (43.5)
Architecture and Environmental Design	35	16 (45.7)	12 (34.3)	-	1 (2.9)	1 (2.9)	-	5 (14.2)
Area Studies	21	1 (4.8)	2 (9.5)	4 (19.1)	5 (23.8)	1 (4.8)	2 (9.5)	6 (28.5)
Biological Sciences	1,144	122 (10.7)	92 (8.0)	58 (5.1)	63 (5.5)	24 (2.1)	80 (7.0)	705 (61.6)
Business and Management	2,690	1,202 (44.7)	618 (23.0)	160 (6.0)	65 (2.4)	34 (1.2)	352 (13.1)	259 (9.6)
Communications	208	86 (41.4)	30 (14.4)	25 (12.0)	9 (4.3)	12 (5.8)	21 (10.1)	25 (12.0)
Computer and Information Sciences	81	47 (58.0)	26 (32.1)	2 (2.5)	-	1 (1.2)	3 (3.7)	2 (2.5)
Education	1,025	455 (44.4)	193 (18.8)	102 (9.9)	54 (5.3)	43 (4.2)	96 (9.4)	82 (8.0)
Engineering	1,162	378 (32.5)	600 (51.6)	5 (0.4)	25 (2.2)	-	33 (2.8)	121 (10.4)
Fine and Applied Arts	501	123 (24.6)	90 (18.0)	66 (13.1)	30 (6.0)	30 (6.0)	61 (12.2)	101 (20.1)
Foreign Languages	245	27 (11.0)	29 (11.8)	41 (16.7)	39 (15.9)	6 (2.5)	36 (14.7)	67 (27.4)
Health Professions	919	669 (72.8)	139 (15.1)	7 (0.8)	2 (0.2)	16 (1.7)	40 (4.4)	46 (5.0)
Home Economics	110	41 (37.3)	27 (24.6)	10 (9.1)	3 (2.7)	6 (5.4)	10 (9.1)	13 (11.8)
Law	3	-	-	-	1 (33.3)	-	-	2 (66.7)
Letters	856	129 (15.1)	102 (11.9)	144 (16.8)	111 (13.0)	13 (1.5)	66 (7.7)	291 (34.0)
Library Science	4	3 (75.0)	-	-	-	1 (25.0)	-	-
Mathematics	291	93 (32.0)	103 (35.4)	12 (4.1)	17 (5.8)	-	10 (3.4)	56 (19.2)
Physical Sciences	523	89 (16.7)	89 (16.7)	17 (3.2)	21 (3.9)	3 (0.6)	20 (3.8)	294 (55.2)
Psychology	619	132 (21.3)	57 (9.2)	85 (13.7)	58 (9.4)	19 (3.1)	73 (11.8)	195 (31.5)
Public Affairs and Services	414	172 (41.6)	63 (15.2)	56 (13.5)	16 (3.9)	25 (6.0)	31 (7.5)	51 (12.3)
Social Sciences	1,868	239 (12.8)	246 (13.2)	268 (14.4)	236 (12.6)	25 (1.3)	167 (8.9)	687 (36.8)
Theology	162	31 (19.1)	44 (27.1)	24 (14.8)	22 (13.6)	4 (2.5)	9 (5.6)	28 (17.3)
Interdisciplinary Studies	105	36 (34.3)	24 (22.9)	11 (10.5)	11 (10.5)	1 (0.9)	9 (8.5)	13 (12.4)
GRAND TOTAL	13,019	4,092 (31.4)	2,591 (19.9)	1,099 (8.4)	789 (6.1)	265 (2.0)	1,124 (8.6)	3,059 (23.5)

Table 27.0

Employment Status by Major Discipline for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Biological Sciences	25	9 (36.0)	3 (12.0)	3 (12.0)	1 (4.0)	1 (4.0)	3 (12.0)	5 (20.0)
Business and Management	58	34 (58.6)	13 (22.4)	2 (3.5)	1 (1.7)	-	4 (6.9)	4 (6.9)
Communications	13	7 (53.8)	3 (23.1)	1 (7.7)	-	-	1 (7.7)	1 (7.7)
Education	832	602 (72.4)	116 (13.9)	59 (7.1)	2 (0.2)	5 (0.6)	33 (4.0)	14 (1.8)
Fine and Applied Arts	18	5 (27.8)	8 (44.4)	-	-	-	2 (11.1)	3 (16.7)
Foreign Languages	14	9 (64.3)	5 (35.7)	-	-	-	-	-
Health Professions	15	11 (73.3)	2 (13.3)	1 (6.7)	-	-	1 (6.7)	-
Letters	15	10 (66.6)	2 (13.3)	1 (6.7)	1 (6.7)	-	1 (6.7)	-
Library Science	27	11 (40.7)	5 (18.5)	2 (7.4)	-	1 (3.7)	6 (22.2)	2 (7.4)
Mathematics	16	15 (93.8)	-	1 (6.2)	-	-	-	-
Physical Sciences	14	7 (50.0)	3 (21.4)	1 (7.1)	1 (7.1)	-	1 (7.1)	1 (7.1)
Psychology	30	12 (40.0)	8 (26.7)	3 (10.0)	-	1 (3.3)	-	6 (20.0)
Public Affairs and Services	12	1 (8.3)	-	4 (33.3)	6 (50.0)	-	1 (8.3)	-
Social Sciences	39	17 (43.6)	7 (17.9)	4 (10.3)	2 (5.1)	-	5 (12.8)	4 (10.3)
Interdisciplinary Studies	2	2 (100.0)	-	-	-	-	-	-
GRAND TOTAL	1130	732 (66.6)	175 (15.5)	82 (7.3)	14 (1.2)	8 (0.7)	58 (5.1)	41 (3.6)

Table 27.1

Employment Status by Major Discipline for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	32	8 (25.0)	8 (25.0)	2 (6.2)	2 (6.2)	1 (3.1)	2 (6.2)	9 (28.1)
Architecture and Environmental Design	9	8 (88.9)	-	-	1 (11.1)	-	-	-
Area Studies	4	-	-	3 (75.0)	-	-	-	1 (25.0)
Biological Sciences	26	9 (34.6)	3 (11.5)	1 (3.9)	-	2 (7.7)	-	11 (42.3)
Business and Management	195	115 (60.0)	41 (21.0)	13 (6.7)	4 (2.0)	3 (1.5)	6 (3.1)	13 (6.7)
Communications	11	3 (22.3)	6 (54.5)	1 (9.1)	-	-	1 (9.1)	-
Computer Sciences	31	16 (51.6)	11 (35.5)	1 (3.2)	1 (3.2)	-	-	2 (6.5)
Education	503	331 (65.8)	44 (8.7)	30 (6.0)	8 (1.6)	27 (5.4)	28 (5.4)	35 (7.0)
Engineering	7[illegible]	39 (52.0)	17 (22.7)	1 (1.3)	2 (2.7)	-	2 (2.7)	14 (18.6)
Fine and Applied Arts	38	9 (23.7)	8 (21.0)	3 (7.9)	2 (5.3)	8 (21.0)	7 (18.4)	1 (2.6)
Foreign Languages	10	1 (10.0)	2 (20.0)	3 (30.0)	-	1 (10.0)	1 (10.0)	2 (20.0)
Health Professions	104	56 (53.8)	29 (27.8)	1 (1.0)	1 (1.0)	4 (3.9)	1 (1.0)	12 (11.5)
Home Economics	6	1 (16.7)	2 (33.3)	-	-	1 (16.7)	-	2 (33.3)
Law	1	1 (100.0)	-	-	-	-	-	-
Letters	35	6 (17.1)	6 (17.1)	1 (2.9)	-	5 (14.3)	4 (11.4)	13 (37.1)
Library Science	27	8 (29.6)	11 (40.7)	1 (3.7)	2 (7.4)	-	-	5 (18.5)
Mathematics	12	4 (33.3)	1 (8.3)	2 (16.7)	1 (8.3)	-	1 (8.3)	3 (25.0)
Physical Sciences	35	6 (17.1)	17 (48.6)	-	-	1 (2.8)	1 (2.8)	10 (28.6)
Psychology	35	8 (22.9)	2 (5.7)	2 (5.7)	1 (2.9)	5 (14.3)	2 (5.7)	15 (42.8)
Public Affairs and Services	163	97 (59.5)	30 (18.4)	10 (6.1)	4 (2.5)	3 (1.8)	17 (10.4)	2 (1.2)
Social Sciences	36	7 (19.4)	4 (11.1)	7 (19.4)	-	2 (5.6)	3 (8.3)	13 (36.1)
Interdisciplinary Studies	11	9 (81.8)	1 (9.1)	-	-	-	1 (9.1)	-
GRAND TOTAL	1,399	742 (53.0)	243 (17.4)	82 (5.9)	29 (2.1)	63 (4.5)	77 (5.5)	163 (11.6)

Table 27.2

Employment Status by Major Discipline for Master's Degree Recipients for Private Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Architecture and Environmental Design	9	3 (33.3)	6 (66.7)	-	-	-	-	-
Biological Sciences	3	1 (33.3)	-	-	-	-	-	2 (66.7)
Business and Management	438	153 (34.9)	245 (55.9)	-	-	5 (1.1)	22 (5.0)	13 (3.0)
Computer Sciences	7	-	-	-	-	-	-	7 (100.0)
Education	149	92 (61.7)	19 (12.8)	10 (6.7)	3 (2.0)	15 (10.1)	2 (1.3)	8 (5.4)
Engineering	127	25 (19.7)	72 (56.7)	-	1 (0.8)	-	2 (1.6)	27 (21.2)
Fine and Applied Arts	23	7 (30.4)	9 (39.1)	1 (4.4)	-	3 (13.0)	2 (8.7)	1 (4.4)
Health Professions	42	39 (92.8)	1 (2.4)	-	-	-	1 (2.4)	1 (2.4)
Letters	15	9 (60.0)	3 (20.0)	1 (6.6)	-	-	1 (6.6)	1 (6.6)
Library Science	3	3 (100.0)	-	-	-	-	-	-
Mathematics	21	1 (4.8)	7 (33.3)	-	-	-	-	13 (61.9)
Physical Sciences	25	4 (16.0)	4 (16.0)	-	-	1 (4.0)	2 (8.0)	14 (56.0)
Psychology	7	4 (57.1)	-	-	-	2 (28.6)	-	1 (14.3)
Public Affairs and Services	29	6 (20.7)	23 (79.3)	-	-	-	-	-
Social Sciences	19	11 (57.9)	3 (15.8)	1 (5.2)	3 (15.8)	-	-	1 (5.2)
GRAND TOTAL	917	358 (39.0)	392 (42.8)	13 (1.4)	7 (0.8)	26 (2.8)	32 (3.5)	89 (9.7)

Table 27.3

Employment Status by Major Discipline for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Biological Sciences	19	7 (36.8)	-	1 (5.3)	-	-	-	11 (57.9)
Business and Management	9	8 (88.9)	1 (11.1)	-	-	-	-	-
Education	4	4 (100.0)	-	-	-	-	-	-
Engineering	25	11 (44.0)	14 (56.0)	-	-	-	-	-
Fine and Applied Arts	3	2 (66.7)	1 (33.3)	-	-	-	-	-
Health Professions	41	25 (61.0)	13 (31.6)	1 (2.4)	-	-	-	-
Psychology	20	6 (30.0)	-	-	-	-	-	14 (70.0)
GRAND TOTAL	121	63 (52.1)	31 (25.6)	2 (1.6)	-	-	-	25 (20.7)

Table 28.0

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Related Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	3	-	3 (100.0)	-	-	-	-	-
Biological Sciences	12	5 (41.7)	5 (41.7)	-	-	-	-	2 (16.6)
Business and Management	3	1 (33.3)	2 (66.7)	-	-	-	-	-
Communications	1	1 (100.0)	-	-	-	-	-	-
Computer Sciences	1	-	1 (100.0)	-	-	-	-	-
Education	96	54 (56.3)	25 (26.0)	6 (6.3)	1 (1.0)	5 (5.2)	5 (5.2)	-
Engineering	12	6 (50.0)	5 (41.7)	-	1 (8.3)	-	-	-
Foreign Languages	4	2 (50.0)	-	-	-	1 (25.0)	1 (25.0)	-
Health Professions	10	10 (100.0)	-	-	-	-	-	-
Home Economics	6	2 (33.3)	4 (66.7)	-	-	-	-	-
Letters	12	5 (41.7)	4 (33.3)	-	-	1 (8.3)	2 (16.7)	-
Mathematics	4	1 (25.0)	2 (50.0)	-	-	1 (25.0)	-	-
Physical Sciences	15	3 (20.0)	11 (73.3)	-	-	-	1 (6.7)	-
Psycholoy	13	6 (46.2)	5 (38.5)	-	-	1 (7.6)	1 (7.6)	-
Social Sciences	14	6 (42.9)	3 (21.4)	3 (21.4)	-	-	1 (7.1)	1 (7.1)
GRAND TOTAL	206	102 (49.5)	70 (34.0)	9 (4.4)	2 (1.0)	9 (4.4)	11 (5.3)	3 (1.4)

Table 28.1

Employment Status by Major Discipline for Doctoral Degree Recipients in the State Colleges and University in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Education	2	-	-	2 (100.0)	-	-	-	-
Letters	3	-	3 (100.0)	-	-	-	-	-
GRAND TOTAL	5	-	3 (60.0)	2 (40.0)	-	-	-	-

Table 28.2

Employment Status by Major Discipline for Doctoral Degree Recipients for Private Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Biological Sciences	2	-	2 (100.0)	-	-	-	-	-
Business and Management	5	-	5 (100.0)	-	-	-	-	-
Computer and Information Sciences	5	-	5 (100.0)	-	-	-	-	-
Education	2	-	2 (100.0)	-	-	-	-	-
Engineering	34	3 (8.8)	31 (91.2)	-	-	-	-	-
Fine and Applied Arts	1	-	-	-	-	-	1 (100.0)	-
Health Professions	8	8 (100.0)	-	-	-	-	-	-
Law	10	8 (80.0)	-	-	-	-	2 (20.0)	-
Letters	1	-	1 (100.0)	-	-	-	-	-
Mathematics	7	1 (14.3)	6 (85.7)	-	-	-	-	-
Physical Sciences	16	5 (31.3)	9 (52.2)	-	-	-	2 (12.5)	-
Psychology	16	9 (56.2)	5 (31.3)	-	-	2 (12.5)	-	-
Public Affairs and Services	3	1 (33.3)	2 (66.8)	-	-	-	-	-
Social Sciences	4	-	3 (75.0)	-	-	-	1 (25.0)	-
GRAND TOTAL	114	35 (30.7)	71 (62.3)	-	-	2 (1.7)	6 (5.3)	-

Table 28.3

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Aided Institutions in Pennsylvania, 1979

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Biological Sciences	5	2 (40.0)	3 (60.0)	-	-	-	-	-
Engineering	1	-	1 (100.0)	-	-	-	-	-
Physical Sciences	2	1 (50.0)	1 (50.0)	-	-	-	-	-
Psychology	6	4 (66.7)	2 (33.3)	-	-	-	-	-
GRAND TOTAL	14	7 (50.0)	7 (50.0)	-	-	-	-	-

Table 29.0

Employment Status by Major Discipline for Associate Degree Recipients for Community Colleges in Pennsylvania, 1979

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	193	137 (71.0)	8 (4.2)	12 (6.2)	1 (0.5)	3 (1.6)	13 (6.7)	19 (9.8)
Health Services and Para-Medical Technologies	1,044	839 (80.4)	21 (2.0)	30 (2.9)	-	41 (3.9)	39 (3.7)	74 (7.1)
Mechanical & Engineering Technologies	447	293 (65.5)	19 (4.2)	42 (9.4)	2 (0.5)	3 (0.7)	11 (2.4)	77 (17.2)
Natural Science Technologies	121	75 (62.0)	12 (9.9)	20 (16.5)	-	1 (0.8)	8 (6.6)	5 (4.1)
Business and Commerce Technologies	1,031	582 (56.5)	15 (1.4)	128 (12.4)	5 (0.5)	26 (2.5)	49 (4.8)	226 (21.9)
Public Service-Related Technologies	390	178 (45.6)	1 (0.2)	69 (17.7)	1 (0.2)	16 (4.1)	16 (4.1)	109 (28.0)
Arts and Science Transfers	1,326	243 (18.3)	6 (0.4)	242 (18.3)	27 (2.4)	41 (3.1)	34 (2.6)	733 (55.3)
GRAND TOTAL	4,552	2,347 (51.6)	82 (1.8)	543 (11.9)	36 (0.8)	131 (2.9)	170 (3.7)	1,243 (27.3)

Table 29.1

Employment Status by Major Discipline for Associate Degree Recipients for Proprietary Institutions in Pennsylvania, 1979

HEGIS Degree Field	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Data Processing Technologies	189	143 (75.7)	25 (13.2)	5 (2.7)	-	-	15 (7.9)	1 (0.5)
Health Services and Para-Medical Technologies	34	27 (79.4)	1 (2.9)	1 (2.9)	-	-	2 (5.9)	3 (8.8)
Mechanical & Engineering Technologies	1,181	552 (46.7)	503 (42.6)	51 (4.3)	6 (0.5)	1 (0.1)	28 (2.4)	40 (3.4)
Business and Commerce Technologies	983	724 (73.7)	110 (11.2)	18 (1.8)	4 (0.4)	9 (0.9)	62 (6.3)	56 (5.7)
GRAND TOTAL	2,394	1,451 (60.6)	639 (26.7)	75 (3.1)	10 (0.4)	10 (0.4)	107 (4.5)	102 (4.3)

Table 29.2

Employment Status by Major Discipline for Associate Degree Recipients for Four-Year Colleges and Universities, 1979

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	52	33 (63.5)	11 (21.2)	1 (1.9)	-	-	3 (5.7)	4 (7.7)
Health Services and Para-Medical Technologies	350	226 (64.6)	43 (12.3)	8 (2.3)	1 (0.3)	4 (1.1)	12 (3.4)	56 (16.0)
Mechanical & Engineering Technologies	565	288 (51.0)	88 (15.6)	39 (6.9)	5 (0.9)	7 (1.2)	30 (5.3)	108 (19.1)
Natural Science Technologies	93	31 (33.3)	5 (5.4)	18 (19.4)	-	13 (14.0)	7 (7.5)	19 (20.4)
Business and Commerce Technologies	509	192 (37.7)	16 (3.1)	41 (8.1)	4 (0.8)	12 (2.4)	20 (3.9)	224 (44.0)
Public Service-Related Technologies	118	39 (33.0)	6 (5.1)	10 (8.5)	1 (0.9)	10 (8.5)	7 (5.9)	45 (38.1)
Arts and Science Transfers	227	27 (11.9)	1 (0.4)	28 (12.3)	7 (3.1)	5 (2.2)	13 (5.7)	146 (64.3)
GRAND TOTAL	1,914	836 (43.7)	170 (8.9)	145 (7.6)	18 (0.9)	51 (2.7)	92 (4.8)	602 (31.4)

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	971	187	160	67	26	38	84	98	311
Agriculture, general		55	10	1	5	1	1	5	1	31
Agronomy		72	21	15	3	2	1	6	8	16
Animal science		164	24	27	13	5	8	14	31	42
Dairy science		28	11	1	1	1	1	1	1	11
Horticulture		143	36	21	14	5	5	9	14	39
Ornamental horticulture		77	32	29	2	1	1	3	5	4
Agriculture economics		24	5	3	2	1	-	-	4	9
Agricultural business		28	8	7	1	-	1	1	2	8
Food science & technology		55	14	10	-	2	-	5	2	22
Forestry		103	7	17	3	1	10	8	11	46
Natural resources management		110	8	6	13	2	8	20	10	43
Other		112	11	23	10	5	2	12	9	40
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	192	39	28	4	1	1	8	12	99
Environmental design, general		7	1	1	-	-	-	-	-	5
Architecture		105	19	12	1	1	-	1	9	62
Interior design		16	8	2	-	-	1	-	-	5
Landscape architecture		56	11	11	3	-	-	6	3	22
City, community and regional planning		8	-	2	-	-	-	1	-	5
AREA STUDIES	Total	50	3	2	5	5	2	4	9	20
East Asian studies		2	-	-	-	-	-	-	-	2
African studies		2	-	-	-	-	-	1	-	1
Latin American studies		1	-	-	-	-	-	-	-	1
European studies, general		3	-	-	1	-	-	-	1	1
American studies		42	3	2	5	4	2	3	8	15
BIOLOGICAL SCIENCES	Total	2476	264	144	158	100	51	144	942	673
Biology, general		2081	211	117	137	88	44	131	790	563
Botany, general		32	8	9	2	3	1	1	6	2
Bacteriology		1	1	-	-	-	-	-	-	-
Microbiology		92	18	6	11	2	1	5	13	36
Biochemistry		100	13	3	2	3	3	4	45	27
Biophysics		11	-	1	-	-	-	-	4	6
Marine biology		7	2	-	4	-	-	1	-	-
Ecology		15	4	3	-	-	-	-	3	5
Entomology		6	-	-	1	-	-	-	2	3
Other		131	7	5	1	4	2	2	79	31
BUSINESS AND MANAGEMENT	Total	8432	2699	1111	524	142	102	712	398	2746
Business and commerce, general		1046	271	95	66	23	8	67	44	472
Accounting		2662	979	410	123	34	25	226	148	717
Business statistics		55	4	18	-	3	-	5	2	23
Banking and finance		376	83	62	28	10	4	40	23	126
Business management and administration		2074	762	263	133	37	39	191	81	568
Operations research		35	7	7	-	-	-	-	3	18
Hotel and restaurant management		1	-	-	-	-	-	-	-	1
Marketing and purchasing		1004	297	137	79	11	12	81	29	358
Transportation and public utilities		101	18	17	3	2	2	6	1	52
Real estate		28	3	2	4	1	-	2	-	16
Insurance		80	28	6	4	1	3	7	2	29
International business		2	1	-	-	-	-	-	-	1
Secretarial studies		45	20	1	6	-	1	4	-	13
Personnel management		79	24	9	6	1	-	8	2	29
Labor and industrial relations		119	19	7	24	2	5	8	9	45
Business economics		260	48	45	16	12	2	15	35	87
Apparel management		3	1	-	-	-	-	-	-	2
Textile management and marketing		39	20	1	8	-	-	-	3	7
Retailing management		11	10	1	-	-	-	-	-	-
Fashion merchandising		22	19	1	1	-	-	-	-	1
Other		390	85	29	23	5	1	52	14	181

[1]The "all others" category represents those not responding to the survey which should represent the difference between the number of respondents and the number of graduates.

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
COMMUNICATIONS	Total	1016	232	82	89	32	53	84	47	397
Communications, general		258	64	24	32	10	10	19	27	72
Journalism		360	89	32	21	7	17	25	12	157
Radio/Television		250	39	11	20	11	20	26	5	118
Advertising		87	21	8	6	3	2	11	2	34
Communication media		44	15	6	6	1	2	3	1	10
Other		17	4	1	4	-	2	-	-	6
COMPUTER AND INFORMATION SCIENCES	Total	515	199	109	11	5	8	10	22	151
Computer and information sciences, general		408	152	81	10	4	8	8	18	127
Information sciences and systems		27	9	6	-	-	-	-	1	11
Data processing		13	9	2	-	1	-	-	-	1
Computer programming		1	1	-	-	-	-	-	-	-
Systems analysis		34	20	8	-	-	-	-	-	6
Other		32	8	12	1	-	-	2	3	6
EDUCATION	Total	7[illegible]0	2395	903	722	199	503	530	458	1940
Education, general		336	144	28	43	1	8	30	14	68
Elementary education, general		2169	623	260	194	54	201	182	86	569
Secondary education, general		200	48	22	11	10	5	12	8	84
Special education, general		399	187	74	33	6	8	30	11	50
Education of the mentally retarded		423	177	75	18	6	26	16	15	90
Education of the visually handicapped		28	13	11	-	-	1	-	-	3
Speech correction		298	68	49	18	4	12	12	72	63
Education of the emotionally disturbed		26	11	14	-	1	-	-	-	-
Remedial education		1	1	-	-	-	-	-	-	-
Education of the physically handicapped		70	30	25	1	1	3	5	2	3
Educational psychology		1	-	-	-	-	-	-	-	1
Pre-elementary education		206	109	22	21	3	8	10	7	26
Student personnel (counseling and guidance)		8	5	-	-	-	-	-	1	2
Reading education		7	3	1	-	-	1	1	-	1
Art education		296	80	17	42	10	22	27	11	87
Music education		460	130	58	40	19	20	36	28	129
Mathematics education		101	51	14	10	3	5	4	3	11
Science education		20	3	1	2	-	3	1	3	7
Physical education		798	117	74	56	28	105	53	84	281
Health education		50	7	4	8	1	3	8	6	13
Business, commerce and distributive education		219	75	15	32	9	10	8	15	55
Industrial arts, vocational and technical education		294	145	25	33	2	5	12	9	63
Biology education		65	30	13	6	1	-	7	1	7
French		21	7	3	3	4	-	4	-	-
German		22	5	2	5	-	-	3	2	5
Spanish		26	6	5	3	1	5	2	2	2
All other foreign language education		2	-	-	-	-	-	1	1	-
English		152	56	14	14	9	4	15	18	22
Earth and space science education		28	11	1	2	2	3	-	1	8
Chemistry education		5	3	-	1	-	-	-	-	1
Physical education		6	3	1	-	-	-	-	2	-
Social studies education		234	60	26	35	13	18	25	21	36
Speech and dramatic arts education		27	11	6	1	1	1	1	2	4
Home economics education		115	44	12	13	-	3	11	4	28
Nursing education		88	36	5	29	-	1	4	-	13
Other		449	96	26	48	10	22	10	29	208

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others[1]
ENGINEERING	Total	3369	848	1127	27	47	3	54	209	1054
Engineering, general		105	41	38	-	1	-	1	7	17
Aerospace, aeronautical and astronautical engineering		34	3	15	-	2	-	-	3	11
Agricultural engineering		23	3	9	2	-	-	2	2	5
Architectural engineering		106	23	34	2	-	1	2	-	44
Bioengineering and biomedical engineering		8	3	-	1	-	-	-	-	4
Chemical engineering (including petroleum refining)		434	88	183	-	7	-	10	30	116
Petroleum engineering		47	1	30	1	-	-	-	1	14
Civil, construction and transportation engineering		565	139	199	5	7	1	12	38	164
Electrical, electronics and communications engineering		624	165	248	1	11	1	8	34	156
Mechanical engineering		574	161	210	1	8	-	4	46	144
Industrial and management engineering		191	59	46	1	7	-	6	15	57
Metallurgical engineering		92	24	34	-	1	-	2	10	21
Materials engineering		23	10	5	1	-	-	-	1	6
Ceramic engineering		16	3	3	1	-	-	-	4	5
Textile engineering		20	1	4	-	-	-	-	4	11
Mining & mineral engineering		90	29	19	-	1	-	1	1	39
Engineering physics		6	4	-	-	-	-	1	1	-
Nuclear engineering		38	4	15	1	-	-	1	1	16
Engineering mechanics		1	-	-	-	-	-	-	-	1
Environmental and sanitary engineer		40	13	6	3	-	-	2	4	12
Engineering technology		293	68	18	7	-	-	2	-	198
Other		39	6	11	-	2	-	-	7	13
FINE AND APPLIED ARTS	Total	1753	263	161	157	49	87	132	163	741
Fine arts, general		288	51	20	52	13	11	25	20	96
Art (painting, drawing, sculpture)		408	54	21	30	21	18	47	24	193
Art history and appreciation		75	2	3	10	1	5	6	19	29
Music (performing, composition, theory)		226	45	18	10	3	15	12	50	73
Music (liberal arts program)		104	18	5	14	4	4	5	17	37
Music history and appreciation (musicology)		15	2	2	-	-	-	-	1	10
Dramatic arts		153	10	10	10	2	2	9	16	94
Dance		10	1	2	2	-	-	2	1	2
Applied design (ceramics, textile, fashion, jewelry, interior decoration, commercial art)		377	70	78	17	4	25	19	6	158
Cinematography		10	1	-	1	-	3	1	-	4
Photography		36	1	-	5	-	1	-	1	28
Other		51	8	2	6	1	3	6	8	17
FOREIGN LANGUAGES	Total	533	47	46	88	45	12	58	93	144
Foreign language, general		35	2	2	5	5	1	3	14	3
French		156	13	15	28	13	6	14	22	45
German		87	6	4	13	10	-	13	22	19
Italian		4	1	-	-	-	-	2	-	1
Spanish		163	17	13	30	14	4	22	20	43
Russian		44	3	8	6	3	1	2	11	10
Chinese		1	-	-	-	-	-	-	-	1
Japanese		1	-	-	1	-	-	-	-	-
Latin		2	-	-	-	-	-	-	1	1
Greek, classical		6	-	1	1	-	-	-	1	3
Slavic languages (other than Russian)		3	-	-	-	-	-	-	-	3
Other		31	5	3	4	-	-	2	2	15

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others[1]
HEALTH PROFESSIONS	Total	2880	1334	264	32	9	38	78	89	1036
Health professions, general		48	6	2	2	1	1	-	2	34
Hospital & health care administration		125	27	10	11	3	7	12	9	46
Nursing		1319	781	106	4	1	15	36	30	346
Dentistry - pre		2	-	-	-	-	-	-	1	1
Medicine - pre		6	-	-	-	-	-	-	3	3
Occupational therapy		56	28	10	1	-	2	3	-	12
Pharmacy		422	140	44	-	-	9	3	13	213
Physical therapy		87	11	8	-	-	2	1	-	65
Dental hygiene		17	12	2	1	-	-	-	1	1
Public health		7	2	-	-	-	-	2	1	2
Medical record librarianship		25	13	6	-	2	-	1	1	2
Speech pathology & audio.		54	2	6	3	-	1	3	15	6
Clinical social work		15	5	-	-	-	-	8	2	-
Medical lab. technologies		316	194	45	2	-	-	2	5	68
Radiologic technologies		14	6	6	-	-	-	-	-	2
Other		367	89	19	8	2	1	7	6	235
HOME ECONOMICS	Total	850	259	114	38	13	32	60	55	279
Home economics, general		187	75	14	8	2	4	15	2	67
Clothing & textiles		43	19	11	2	-	1	3	4	3
Consumer economics & home management		18	3	4	2	1	1	2	-	5
Family relations & child development		232	45	10	17	7	22	23	13	95
Food and nutrition (include dietetics)		221	68	38	7	3	4	12	32	57
Institutional management & cafeteria management		149	49	37	2	-	-	5	4	52
LAW	Total	11	1	-	-	1	-	-	5	4
Law, general		11	1	-	-	1	-	-	5	4
LETTERS	Total	2091	214	135	236	138	45	132	375	816
English, general		974	113	58	123	71	24	83	161	341
Literature, English		131	8	3	7	6	-	3	31	73
Comparative literature		4	-	-	-	-	-	-	-	4
Classics		23	-	-	2	7	-	-	7	7
Linguistics (phonetics, semantics & philology)		7	-	2	-	-	1	-	1	3
Speech, debate & forensic science		339	37	26	25	7	14	21	24	185
Creative writing		23	8	2	5	1	-	2	-	5
Philosophy		196	1	2	33	25	2	5	63	65
Religious studies		230	33	29	23	14	3	6	69	53
Other		164	14	13	18	7	1	12	19	80
LIBRARY SCIENCE	Total	114	45	23	11	1	6	8	11	9
Library science, general		114	45	23	11	1	6	8	11	9
MATHEMATICS	Total	531	141	125	31	20	3	19	86	106
Mathematics, general		473	124	95	31	20	3	19	78	103
Applied mathematics		55	15	29	-	-	-	-	8	3
Other		3	2	1	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	1392	187	169	58	39	24	63	452	400
Physical sciences, general		15	1	2	-	-	-	2	5	5
Physics, general (exclude biophysics)		158	22	21	8	4	-	3	63	37
Chemistry, general (exclude biochemistry)		686	117	74	13	14	15	17	267	169
Physical chemistry		10	2	2	-	-	-	-	-	6
Astronomy		4	-	1	1	1	-	-	-	1
Atmospheric sciences & meteorology		54	5	11	1	1	-	-	4	28
Geology		228	19	35	12	11	5	11	56	79
Geophysics and seismology		2	-	-	-	-	-	-	1	1
Earth sciences, general		81	6	8	11	2	3	14	8	29
Metallurgy		17	6	6	-	-	-	1	-	4

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others[1]
PHYSICAL SCIENCE (continued)										
Other		137	9	9	12	6	1	11	48	41
PSYCHOLOGY	Total	1793	230	74	200	83	60	143	299	704
Psychology, general		1707	200	68	192	82	53	138	287	687
Psychology for counseling		22	4	3	2	-	3	2	8	-
Social psychology		16	7	3	-	-	2	2	1	1
Other		48	19	-	6	1	2	1	3	16
PUBLIC AFFAIRS AND SERVICES	Total	2001	488	151	182	64	74	166	122	754
Community services, general		35	8	2	5	-	1	5	-	14
Public administration		37	2	1	5	1	-	3	4	21
Parks and recreation		265	67	23	30	22	12	36	5	70
Social work and helping services		790	204	44	60	14	26	63	63	316
Law enforcement & corrections		635	173	56	71	21	31	43	38	202
International public service (nondiplomatic)		32	-	3	3	4	-	2	6	14
Other		207	34	22	8	2	4	14	6	117
SOCIAL SCIENCES	Total	4930	526	358	532	325	86	329	916	1858
Social sciences, general		363	50	10	45	10	11	40	37	160
Anthropology		124	3	8	10	8	6	7	20	62
Archaeology		13	-	1	2	-	-	-	9	1
Economics		878	122	146	70	51	7	38	148	296
History		783	33	31	113	95	15	52	189	255
Geography		146	24	19	17	12	11	14	11	38
Political science and government		1168	48	49	126	86	13	80	348	418
Sociology		737	122	32	97	39	17	56	97	277
Criminology		362	92	28	35	9	4	26	15	153
International relations		60	1	12	3	4	1	2	16	21
Afro-American (black culture studies)		6	-	-	-	-	-	-	-	6
Urban studies		93	24	5	7	2	1	6	-	48
Other		197	7	17	7	9	-	8	26	123
THEOLOGY	Total	183	31	44	24	22	4	9	28	21
Theological professions, general		104	18	25	15	13	3	2	19	9
Religious music		10	4	2	-	1	-	1	2	-
Religious education		64	9	17	9	7	1	6	6	9
Other		5	-	-	-	1	-	-	1	3
INTERDISCIPLINARY STUDIES	Total	630	78	40	58	33	1255	2867	4964	281
General liberal arts and science		491	57	25	45	26	19	30	60	229
Biological and physical science		28	8	5	-	-	-	2	3	10
Humanities and social science		32	5	1	8	3	2	2	2	9
Other		79	8	9	5	4	2	6	12	33

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	67	3	13	9	5	3	7	1	26
Natural resources management		17	1	3	3	2	1	3	-	4
Other		50	2	10	6	3	2	4	1	22
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	8	-	2	-	-	-	1	-	5
City, community and regional planning		8	-	2	-	-	-	1	-	5
BIOLOGICAL SCIENCES	Total	411	87	20	49	14	4	42	75	120
Biology, general		378	78	16	45	14	4	41	67	113
Biochemistry		5	2	1	-	-	-	-	2	-
Marine biology		7	2	-	4	-	-	1	-	-
Ecology		15	4	3	-	-	-	-	3	5
Other		6	1	-	-	-	-	-	3	2
BUSINESS AND MANAGEMENT	Total	1953	743	222	177	37	24	225	57	468
Business & commerce, general		175	59	21	19	6	2	8	4	56
Accounting		569	242	74	35	6	3	57	23	129
Banking and finance		49	19	7	-	-	-	1	3	19
Business management and administration		702	272	54	75	17	19	102	18	145
Hotel and restaurant management		1	-	-	-	-	-	-	-	1
Marketing & purchasing		270	88	45	23	2	-	34	6	72
Transportation and public utilities		3	-	-	-	-	-	1	-	2
Real estate		8	2	-	2	1	-	-	-	3
Secretarial studies		22	14	1	-	-	-	4	-	3
Personnel management		79	24	9	6	1	-	8	2	29
Business economics		46	11	6	12	3	-	7	1	6
Other		29	12	5	5	1	-	3	-	3
COMMUNICATIONS	Total	209	52	22	27	7	2	19	10	70
Communications, general		61	13	8	13	3	-	5	6	13
Journalism		79	31	9	3	-	-	3	2	31
Radio/television		44	2	3	6	3	-	9	2	19
Communication media		23	6	2	5	1	2	2	-	5
Other		2	-	-	-	-	-	-	-	2
COMPUTER AND INFORMATION SCIENCE	Total	178	94	37	8	1	1	5	6	26
Computer and information sciences, general		101	62	14	7	-	1	3	2	12
Information sciences and systems		6	2	2	-	-	-	-	1	1
Data processing		11	7	2	-	1	-	-	-	1
Systems analysis		28	15	7	-	-	-	-	-	6
Other		32	8	12	1	-	-	2	3	6
EDUCATION	Total	4685	1609	641	501	112	334	316	282	890
Education, general		253	102	17	34	-	-	24	8	68
Elementary education, general		1195	382	153	120	32	135	115	51	207
Special education, general		323	151	69	25	4	8	15	8	43
Education of the mentally retarded		311	125	66	14	6	19	10	14	57
Education of the visually handicapped		28	13	11	-	-	1	-	-	3
Speech correction		211	43	40	11	3	7	8	60	39
Education of the emotionally disturbed		25	10	14	-	1	-	-	-	-
Education of the physically handicapped		70	30	25	1	1	3	5	2	3
Pre-elementary education		130	75	14	13	3	6	4	5	10
Reading education		6	3	1	-	-	1	1	-	-
Art education		207	70	13	30	8	13	14	8	51
Music education		186	56	30	23	5	10	16	14	32
Mathematics education		71	39	9	9	1	5	1	2	5
Science education		11	2	1	2	-	1	1	1	3

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Physical education		603	101	65	45	20	81	36	59	196
Health education		26	5	3	7	-	2	4	3	2
Business, commerce & distributive education		133	56	10	25	7	7	2	3	23
Industrial arts, vocational & tech. education		199	108	24	24	2	3	7	6	25
Biology education		53	26	10	6	-	-	5	1	5
French		12	5	2	3	1	-	1	-	-
German		17	3	2	5	-	-	2	1	4
Spanish		20	5	4	3	1	4	-	2	1
All other foreign language education		2	-	-	-	-	-	1	1	-
English		106	43	12	8	4	3	7	10	19
Earth and space science education		27	11	1	1	2	3	-	1	8
Chemistry education		4	2	-	1	-	-	-	-	1
Physical education		3	2	-	-	-	-	-	1	-
Social studies education		198	51	20	33	10	17	21	14	32
Speech and dramatic arts education		16	6	4	1	1	1	1	1	1
Home economics education		97	35	11	12	-	2	9	4	24
Nursing education		88	36	5	29	-	1	4	-	13
Other		54	13	5	16	-	1	2	2	15
ENGINEERING	Total	2	-	-	-	1	-	-	-	1
Other		2	-	-	-	1	-	-	-	1
FINE AND APPLIED ARTS	Total	355	81	29	54	9	22	47	28	85
Fine arts, general		137	25	7	36	4	8	14	5	38
Art (painting, drawing, sculpture)		74	20	6	4	3	2	9	9	21
Art history & appreciation		7	-	2	2	-	-	1	1	1
Music (performing, composition, theory)		8	-	-	2	-	1	2	2	1
Music (liberal arts program)		26	4	2	2	-	-	4	6	8
Dramatic arts		26	1	2	3	-	-	4	3	13
Applied design (ceramics, textile fashion, jewelry, interior, commercial art)		72	31	10	4	2	10	12	1	2
Other		5	-	-	1	-	1	1	1	1
FOREIGN LANGUAGES	Total	90	7	9	26	3	2	14	13	16
Foreign languages, general		3	-	-	2	-	-	1	-	-
French		24	2	1	9	-	1	3	4	4
German		17	1	1	5	2	-	3	3	2
Spanish		37	3	4	8	1	1	7	5	8
Russian		9	1	3	2	-	-	-	1	2
HEALTH PROFESSIONS	Total	487	298	50	4	1	2	10	16	106
Nursing		249	159	24	1	1	1	7	4	52
Dental hygiene		9	7	-	1	-	-	-	1	-
Public health		7	2	-	-	-	-	2	1	2
Speech pathology & audio.		38	14	5	2	-	1	1	9	6
Medical lab. technologies		132	78	19	-	-	-	-	1	34
Other		52	38	2	-	-	-	-	-	12
HOME ECONOMICS	Total	312	152	38	4	-	1	21	20	76
Home economics, general		121	56	5	1	-	-	12	-	47
Clothing and textiles		27	13	7	1	-	1	2	1	2
Family relations and child development		16	11	2	-	-	-	-	1	2
Food and nutrition		96	43	15	2	-	-	4	16	16
Institutional management and cafeteria management		52	29	9	-	-	-	3	2	9
LETTERS	Total	252	42	6	40	8	6	30	24	96
English, general		159	24	2	23	4	3	18	18	67
Speech, debate & forensic science		48	15	4	6	2	3	4	3	11

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
LETTERS (continued)										
Philosophy		18	1	-	9	-	-	2	1	5
Other		27	2	-	2	2	-	6	2	13
LIBRARY SCIENCE	Total	110	42	23	11	1	5	8	11	9
Library science, general		110	42	23	11	1	5	8	11	9
MATHEMATICS	Total	118	38	17	16	3	1	9	18	16
Mathematics, general		112	34	15	16	3	1	9	18	16
Applied mathematics		6	4	2	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	222	49	23	17	4	7	20	47	55
Physical science, general		1	-	1	-	-	-	-	-	-
Physics, general		31	7	3	6	-	-	-	8	7
Chemistry, general		89	26	9	1	2	4	4	25	18
Geology		47	10	9	2	-	1	6	8	11
Earth sciences, general		51	5	1	8	1	2	10	5	19
Other		3	1	-	-	1	-	-	1	-
PSYCHOLOGY	Total	433	72	14	61	17	9	46	54	160
Psychology, general		417	65	11	61	17	7	44	53	159
Social psychology		16	7	3	-	-	2	2	1	1
PUBLIC AFFAIRS AND SERVICES	Total	552	182	53	62	26	20	78	18	113
Public administration		10	-	1	3	1	-	2	-	3
Parks and recreation management		136	33	12	19	12	4	30	4	22
Social work and helping service		263	99	17	31	8	14	27	11	56
Law enforcement and corrections		94	30	6	8	5	1	16	1	27
Other		49	20	17	1	-	1	3	2	5
SOCIAL SCIENCES	Total	1216	228	89	156	53	22	107	103	458
Social sciences, general		93	14	5	13	5	1	13	9	33
Anthropology		18	1	-	2	-	1	2	2	10
Economics		99	18	12	26	3	-	7	6	27
History		105	6	5	21	11	3	8	22	29
Geography		101	19	12	16	10	5	13	8	18
Political science and government		210	17	17	29	6	6	22	30	83
Sociology		214	50	9	21	8	2	20	13	91
Criminology		331	84	25	28	9	4	16	13	152
International relations		4	-	-	-	-	-	-	-	4
Urban studies		41	19	4	-	1	-	6	-	11
INTERDISCIPLINARY STUDIES	Total	80	14	4	9	4	6	8	8	27
General liberal arts and sciences		27	3	2	1	1	2	2	3	13
Biological and physical sciences		13	3	-	-	-	-	-	3	7
Humanities and social sciences		21	4	1	5	1	2	2	1	5
Other		19	4	1	3	2	2	4	1	2

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	660	112	72	43	13	31	64	62	263
Agriculture, general		55	10	1	5	1	1	5	1	31
Agronomy		44	12	7	2	1	1	5	2	14
Animal science		110	11	8	9	2	6	12	23	39
Dairy science		17	5	-	1	-	1	-	-	10
Horticulture		114	30	13	8	5	4	8	10	36
Agricultural economics		24	5	3	2	1	-	-	4	9
Agricultural business		28	8	7	1	-	1	1	2	8
Food science and technology		35	9	3	-	-	-	4	1	18
Forestry		100	7	17	3	1	10	8	8	46
Natural resources management		93	7	3	10	-	7	17	10	39
Other		40	8	10	2	2	-	4	1	13
ARCHITECTURE AND ENVIRONMENAL DESIGN	Total	106	20	13	4	-	-	7	7	55
Architecture		50	9	2	1	-	-	1	4	33
Landscape architecture		56	11	11	3	-	-	6	3	22
AREA STUDIES	Total	21	2	-	1	-	-	2	3	12
East Asian studies		2	-	-	-	-	-	-	-	2
African studies		2	-	-	-	-	-	1	-	1
Latin American studies		1	-	-	-	-	-	-	-	1
American studies		16	2	-	1	-	1	1	3	8
BIOLOGICAL SCIENCES	Total	653	45	23	49	20	22	21	149	324
Biology, general		485	22	16	35	15	18	14	110	255
Microbiology		92	18	6	11	2	1	5	13	36
Biochemistry		46	5	-	2	3	2	1	15	18
Biophysics		11	-	1	-	-	-	-	4	6
Entomology		6	-	-	1	-	-	-	2	3
Other		13	-	-	-	-	1	1	5	6
BUSINESS AND MANAGEMENT	Total	2257	509	205	144	40	43	132	64	1120
Business and commerce, general		433	60	14	16	1	2	13	10	317
Accounting		557	156	58	28	9	13	19	21	253
Business statistics		6	1	1	-	-	-	1	-	3
Banking and finance		186	30	26	18	8	2	19	9	74
Business management and administration		325	84	28	24	10	6	25	7	141
Marketing and purchasing		405	109	42	23	6	9	31	10	175
Transportation and public utilities		84	16	17	3	2	2	5	1	38
Real estate		20	1	2	2	-	-	2	-	13
Insurance		75	24	6	4	1	3	7	2	28
Labor and industrial arts		85	11	4	16	1	3	4	1	45
Business economics		27	5	1	3	1	2	-	2	13
Other		54	12	6	7	1	1	6	1	20
COMMUNICATIONS	Total	522	94	30	37	16	39	44	12	250
Communications, general		6	2	-	-	-	-	-	-	4
Journalism		255	51	17	17	5	17	17	7	124
Radio/television		196	31	8	14	8	20	16	3	96
Advertising		65	10	5	6	3	2	11	2	26
COMPUTER AND INFORMATION SCIENCES	Total	217	52	45	1	4	6	2	9	98
Computer and information sciences, general		216	52	45	1	4	6	2	9	97
Information sciences and systems		1	-	-	-	-	-	-	-	1
EDUCATION	Total	1671	324	69	119	33	126	118	94	788
Elementary education, general		526	72	16	39	4	53	42	21	279
Secondary education, general		146	27	6	8	4	5	12	3	81
Special education, general		1	-	-	-	-	-	-	-	1
Education of the mentally retarded		112	52	9	4	-	7	6	1	33
Speech correction		70	23	9	5	1	3	3	8	18
Educational psychology		1	-	-	-	-	-	-	-	1
Student personnel (counseling and guidance)		3	-	-	-	-	-	-	1	2
Reading education		1	-	-	-	-	-	-	-	1
Art education		68	3	2	12	2	7	10	2	30

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Music education		66	18	3	3	3	6	8	1	24
Mathematics education		9	2	-	1	-	-	1	-	5
Science education		9	1	-	-	-	2	-	2	4
Physical education		175	14	8	10	8	20	17	22	76
Health education		24	2	1	1	1	1	4	3	11
Business, commerce, distributive education		52	7	1	2	-	1	3	10	28
Industrial arts, vocational and technical education		95	21	1	9	-	2	5	3	38
Other		313	66	13	25	10	19	7	17	156
ENGINEERING	Total	1787	376	415	22	21	3	21	65	865
Aerospace, aeronautical and astronautical engineering		34	3	15	-	2	-	-	3	11
Agricultural engineering		23	3	9	2	-	-	2	2	5
Architectural engineering		106	23	34	2	-	1	2	-	44
Bioengineering and biomedical engineering		8	3	-	1	-	-	-	-	4
Chemical engineering (including petroleum refining)		173	27	43	-	3	-	2	6	92
Petroleum engineering (excluding petroleum refining)		47	1	30	1	-	-	-	1	14
Civil construction and transportation engineering		253	58	70	4	4	1	3	8	105
Electrical, electronics and communications engineering		303	73	71	1	3	1	4	12	138
Mechanical engineering		265	76	66	1	4	-	-	12	106
Industrial and management engineering		100	27	14	1	3	-	2	3	50
Metallurgical engineering		25	5	4	-	-	-	-	1	15
Materials engineering		11	4	2	1	-	-	-	1	3
Ceramic engineering		16	3	3	1	-	-	-	4	5
Mining and mineral engineering		90	29	19	-	1	-	1	1	39
Nuclear engineering		38	4	15	1	-	-	1	1	16
Engineering mechanics		1	-	-	-	-	-	-	-	1
Environment and sanitary engineering		40	13	6	3	-	-	2	4	12
Engineering technology		221	18	5	3	-	-	2	-	193
Other		33	6	9	-	1	-	-	5	12
FINE AND APPLIED ARTS	Total	359	16	8	21	5	25	19	26	239
Fine arts, general		3	-	-	-	-	-	-	-	3
Art (painting, drawing, sculpture)		143	9	4	10	5	8	14	3	90
Art history and appreciation		27	-	-	2	-	4	1	8	12
Music (performing, composition, theory)		44	2	2	2	-	3	-	9	26
Music (liberal arts program)		10	-	-	-	-	-	-	1	9
Music history and appreciation (musicology)		2	-	-	-	-	-	-	-	2
Dramatic arts		56	-	1	4	-	2	1	3	45
Applied design (ceramics, weaving, textile, fashion, jewelry, etc.)		37	4	1	1	-	3	1	-	27
Cinematography		10	1	-	1	-	3	1	-	4
Photography		12	-	-	1	-	1	-	1	9
Other		15	-	-	-	-	1	1	1	12
FOREIGN LANGUAGE	Total	133	13	8	21	3	4	8	13	63
French		34	2	3	3	-	1	2	4	19
German		15	1	-	3	1	-	1	3	6
Italian		3	1	-	-	-	-	1	-	1
Spanish		36	3	1	8	1	2	3	2	16
Russian		14	1	1	2	1	1	-	4	4
Chinese		1	-	-	-	-	-	-	-	1
Japanese		1	-	-	1	-	-	-	-	-
Slavic languages (other than Russian)		1	-	-	-	-	-	-	-	1
Other		28	5	3	4	-	-	1	-	15

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
HEALTH PROFESSIONS	Total	835	253	48	19	4	20	21	21	449
Health professions, general		33	-	-	-	1	-	-	2	30
Hospital and health care administration		116	21	10	11	3	6	11	9	45
Nursing		338	144	8	2	-	8	2	1	173
Dentistry (pre)		2	-	-	-	-	-	-	1	1
Medicine (pre)		6	-	-	-	-	-	-	3	3
Occupational therapy		36	13	5	1	-	2	3	-	12
Pharmacy		94	17	5	-	-	2	2	3	65
Physical therapy		86	11	7	-	-	2	1	-	65
Medical record librarian		10	6	2	-	-	-	-	-	2
Speech pathology and audio.		1	-	-	1	-	-	-	-	-
Medical lab. technologies		38	20	2	1	-	-	-	-	15
Other		75	21	9	3	-	-	2	2	38
HOME ECONOMICS	Total	387	65	47	24	10	25	29	22	165
Family relations and child development		216	34	8	17	7	22	23	12	93
Food and nutrition		74	11	11	5	3	3	4	8	29
Institutional management and cafeteria management		97	20	28	2	-	-	2	2	43
LAW	Total	7	1	-	-	-	-	-	3	3
Law, general		7	1	-	-	-	-	-	3	3
LETTERS	Total	679	43	27	52	19	26	36	60	416
English, general		177	16	4	16	6	12	15	13	95
Literature, English		72	-	-	3	-	-	-	9	60
Comparative literature		2	-	-	-	-	-	-	-	2
Classics		3	-	-	-	1	-	-	-	2
Linguistics (phonetics, semantics, philology)		6	-	2	-	-	1	-	-	3
Speech debate, forensic science		263	17	19	17	5	11	15	19	160
Philosophy		40	-	1	4	4	2	-	7	22
Religious studies		13	-	-	-	-	-	2	4	7
Other		103	10	1	12	3	-	4	8	65
MATHEMATICS	Total	60	6	5	3	-	2	-	8	36
Mathematics		60	6	5	3	-	2	-	8	36
PHYSICAL SCIENCE	Total	495	45	52	24	14	14	23	106	217
Physical sciences		1	-	-	-	-	-	-	-	1
Physics, general		31	3	2	-	2	-	-	9	15
Chemistry, general		164	22	12	3	4	8	1	36	78
Astronomy		3	-	1	-	1	-	-	-	1
Atmospheric sciences and meteorology		54	5	11	1	1	-	4	4	28
Geology		71	1	8	5	-	4	2	11	40
Earth sciences, general		28	-	6	3	1	1	4	3	10
Metallurgy		17	6	6	-	-	-	1	-	4
Other		126	8	6	12	5	1	11	43	40
PSYCHOLOGY	Total	524	26	3	54	8	32	24	50	327
Psychology, general		523	26	3	54	8	32	24	49	327
Psychology for counseling		1	-	-	-	-	-	-	1	-
PUBLIC AFFAIRS AND SERVICES	Total	870	131	35	63	22	29	57	53	480
Community services, general		35	8	2	5	-	1	5	-	14
Public administration		20	1	-	2	-	-	-	1	16
Parks and recreation management		113	26	9	9	10	8	6	1	44
Social work and helping services		322	49	9	15	3	10	23	29	184
Law enforcement and corrections		197	35	7	22	4	7	10	13	99
International public service		30	-	3	3	3	-	2	5	14
Other		153	12	5	7	2	3	11	4	109
SOCIAL SCIENCES	Total	1210	59	23	108	36	39	55	126	764
Social sciences, general		142	6	1	10	1	6	6	6	106
Anthropology		66	-	3	3	4	5	4	6	41
Economics		230	21	5	12	4	5	1	19	163
History		165	2	2	23	5	6	12	20	95

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
SOCIAL SCIENCES (continued)										
Geography		45	5	7	1	2	6	1	3	20
Political science and government		297	8	2	27	15	5	13	41	186
Sociology		167	11	2	24	5	5	14	18	88
Afro-American (black culture studies)		6	-	-	-	-	-	-	-	6
Urban studies		48	5	-	6	-	1	-	-	36
Other		44	1	1	2	-	-	4	13	23
INTERDISCIPLINARY STUDIES	Total	412	28	12	38	18	16	23	56	221
General liberal arts and services		383	22	6	37	18	16	22	51	211
Biological and physical sciences		13	5	5	-	-	-	-	-	3
Humanities and social sciences		1	-	-	-	-	-	-	-	1
Other		15	1	1	1	-	-	1	5	6

Table 30.3

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Aided Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	213	71	70	13	8	4	8	25	14
Agriculture, general		28	9	8	1	1	-	1	6	2
Animal science (husbandry)		54	13	19	4	3	2	2	8	3
Dairy science (husbandry)		11	6	1	-	1	-	1	1	1
Horticulture		29	6	8	6	-	1	1	4	3
Ornamental horticulture		77	32	29	2	1	1	3	5	4
Food science and technology		14	5	5	-	2	-	-	1	1
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	14	3	1	-	-	-	-	-	10
Environmental design, general		7	1	1	-	-	-	-	-	5
Interior design		7	2	-	-	-	-	-	-	5
BIOLOGICAL SCIENCES	Total	52	10	9	2	3	1	1	13	13
Biology, general		19	1	-	-	-	-	-	7	11
Botany, general		32	8	9	2	3	1	1	6	2
Bacteriology		1	1	-	-	-	-	-	-	-
BUSINESS AND MANAGEMENT	Total	535	245	66	43	-	1	3	16	161
Accounting		162	81	25	6	-	-	-	3	47
Banking and finance		28	13	-	4	-	-	-	2	9
Business management and administration		79	49	14	3	-	1	3	2	7
Operations research		35	7	7	-	-	-	-	3	18
Marketing and purchasing		128	34	15	21	-	-	-	2	56
Insurance		2	2	-	-	-	-	-	-	-
Business economics		26	9	2	-	-	-	-	1	14
Apparel management		3	1	-	-	-	-	-	-	2
Textile management and marketing		39	20	1	8	-	-	-	3	7
Retailing management		11	10	1	-	-	-	-	-	-
Fashion merchandising		22	19	1	1	-	-	-	-	1
COMPUTER AND INFORMATION SCIENCES	Total	20	6	1	-	-	-	-	5	8
Computer and information sciences, general		13	-	-	-	-	-	-	5	8
Information sciences and systems		1	1	-	-	-	-	-	-	-
Computer programming		1	1	-	-	-	-	-	-	-
Systems analysis		5	4	1	-	-	-	-	-	-
EDUCATION	Total	7	7	-	-	-	-	-	-	-
Elementary education, general		2	2	-	-	-	-	-	-	-
Student personnel (counseling and guidance)		5	5	-	-	-	-	-	-	-
ENGINEERING	Total	296	94	112	-	-	-	-	24	66
Chemical engineering		41	7	17	-	-	-	-	3	14
Civil construction and transportation engineering		65	23	18	-	-	-	-	4	20
Electrical, electronics and communication engineering		78	34	39	-	-	-	-	5	-
Mechanical engineering		65	18	25	-	-	-	-	4	18
Industrial and management engineering		15	5	6	-	-	-	-	4	-
Materials engineering		12	6	3	-	-	-	-	-	3
Textile engineering		20	1	4	-	-	-	-	4	11
FINE AND APPLIED ARTS	Total	259	43	34	16	5	10	5	8	138
Fine arts, general		7	-	-	1	-	-	1	-	5
Art (painting, drawing, sculpture)		41	5	-	1	2	3	3	2	25
Music (performing, composing, theory)		36	19	-	-	1	-	-	2	14
Dance		3	-	-	1	-	-	-	-	2
Applied design (ceramics, weaving, textile fashion, jewelry, interior)		155	19	34	11	2	7	1	4	77
Photography		17	-	-	2	-	-	-	-	15

Table 30.3

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Aided Institutions in Pennsylvania, 1979
(continued)

NEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
HEALTH PROFESSIONS	Total	165	18	27	2	2	-	7	6	7
Nursing		67	54	6	-	-	-	2	4	1
Dental hygiene		7	5	2	-	-	-	-	-	-
Medical lab. technologies		42	32	8	-	-	-	-	-	2
Radiologic technologies		12	5	6	-	-	-	-	-	1
Other		37	18	5	2	2	-	5	2	3
HOME ECONOMICS	Total	6	1	2	-	-	-	-	-	3
Home economics, general		6	1	2	-	-	-	-	-	3
MATHEMATICS	Total	12	4	-	-	-	-	-	4	4
Mathematics, general		12	4	-	-	-	-	-	4	4
PHYSICAL SCIENCES	Total	21	4	9	-	-	-	-	5	7
Chemistry, general		4	2	-	-	-	-	-	1	1
Physical chemistry		10	2	2	-	-	-	-	-	6
Other		7	-	7	-	-	-	-	4	-
PUBLIC AFFAIRS AND SERVICES	Total	4	3	-	1	-	-	-	-	-
Community services, general		4	3	-	1	-	-	-	-	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	31	1	5	2	-	-	5	10	8
Food science & technology		6	-	2	-	-	-	1	-	3
Forestry		3	-	-	-	-	-	-	3	-
Other		22	1	3	2	-	-	4	7	5
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	64	16	12	-	1	1	-	5	29
Architecture		55	10	10	-	1	-	-	5	29
Interior design		9	6	2	-	-	1	-	-	-
AREA STUDIES	Total	29	1	2	4	5	1	2	6	8
European studies, general		3	-	-	-	1	-	-	1	1
American studies		26	1	2	4	4	1	2	5	7
BIOLOGICAL SCIENCES	Total	1360	122	92	58	63	24	80	705	216
Biology, general		1199	110	85	57	59	22	76	606	184
Biochemistry		49	6	2	-	-	1	3	28	9
Other		112	6	5	1	4	1	1	71	23
BUSINESS AND MANAGEMENT	Total	3687	1202	618	160	65	34	352	259	997
Business & commerce, general		438	152	60	31	16	4	46	30	99
Accounting		1374	500	253	54	19	9	150	101	288
Business and statistics		49	3	17	-	3	-	4	2	20
Banking and finance		113	21	29	6	2	2	20	9	24
Business management and administration		968	357	167	31	10	13	61	54	275
Marketing and purchasing		201	66	35	12	3	3	16	11	55
Transportation and public utilities		14	2	-	-	-	-	-	-	12
Insurance		3	2	-	-	-	-	-	-	1
International business		2	1	-	-	-	-	-	-	1
Secretarial studies		23	6	-	6	-	1	-	-	10
Labor and industrial relations		34	8	3	8	1	2	4	8	-
Business economics		161	23	36	1	8	-	8	31	54
Other		307	61	18	11	3	-	43	13	158
COMMUNICATIONS	Total	285	85	30	25	9	12	21	25	77
Communications, general		191	49	16	19	7	10	14	21	55
Journalism		26	7	6	1	2	-	5	3	2
Radio/television		10	6	-	-	-	-	1	-	3
Advertising		22	11	3	-	-	-	-	-	8
Communication media		21	9	4	1	-	-	1	1	5
Other		15	4	1	4	-	2	-	-	4
COMPUTER AND INFORMATION SCIENCES	Total	100	47	26	2	-	1	3	2	19
Computer and information sciences, general		78	38	22	2	-	1	3	2	10
Information sciences and systems		19	6	4	-	-	-	-	-	9
Data processing		2	2	-	-	-	-	-	-	-
Systems analysis		1	1	-	-	-	-	-	-	-
EDUCATION	Total	1287	455	193	102	54	43	96	82	262
Education, general		83	42	11	9	1	8	6	6	-
Elementary education, general		446	167	91	35	18	13	25	14	83
Secondary education, general		54	21	16	3	6	-	-	5	3
Special education, general		75	36	5	8	2	-	15	3	6
Speech correction		17	2	-	2	-	2	1	4	6
Education of the emotionally disturbed		1	1	-	-	-	-	-	-	-
Remedial education		1	1	-	-	-	-	-	-	-
Pre-elementary education		76	34	8	8	-	2	6	2	16
Art education		21	7	2	-	-	2	3	1	6
Music education		208	56	25	14	11	4	12	13	73
Mathematics education		21	10	5	-	2	-	2	1	1
Physical education		20	2	1	1	-	4	-	3	9
Business, commerce and distributive education		34	12	4	5	2	2	3	2	4
Biology education		12	4	3	-	1	-	2	-	2
French education		9	2	1	-	3	-	3	-	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
German		5	2	-	-	-	-	1	1	1
Spanish		6	1	1	-	-	1	2	-	1
English education		46	13	2	6	5	1	8	8	3
Earth and space science education		1	-	-	1	-	-	-	-	-
Chemistry education		1	1	-	-	-	-	-	-	-
Physics education		3	1	1	-	-	-	-	1	-
Social studies education		36	7	6	2	3	1	4	7	4
Speech and dramatic arts education		11	5	2	-	-	-	-	1	3
Home economics education		18	9	1	1	-	1	2	-	4
Other		82	17	8	7	-	2	1	10	37
ENGINEERING	Total	1284	378	600	5	25	-	33	121	122
Engineering, general		105	41	38	-	1	-	1	7	17
Chemical engineering		220	54	123	-	4	-	8	21	10
Civil, construction and transportation engineering		247	58	111	1	3	-	9	26	39
Electrical, electronics and communication engineering		243	58	138	-	8	-	4	17	18
Mechanical engineering		244	67	119	-	4	-	4	30	20
Industrial and management engineering		76	27	26	-	4	-	4	8	7
Metallurgical engineering		67	19	30	-	1	-	2	9	6
Engineering physics		6	4	-	-	-	-	1	1	-
Engineering technologies		72	50	13	4	-	-	-	-	5
Other		4	-	2	-	-	-	-	2	-
FINE AND APPLIED ARTS	Total	780	123	90	66	30	30	61	101	379
Fine arts, general		141	26	13	15	9	3	10	15	50
Art (painting, drawing, sculpture)		150	20	11	15	11	5	21	10	57
Art history and appreciation		41	2	1	6	1	1	4	10	16
Music (performing, composition, theory)		138	24	16	6	2	11	10	37	32
Music (liberal arts program)		68	14	3	12	4	4	1	10	20
Music history and appreciation		13	2	2	-	-	-	-	1	8
Dramatic arts		71	9	7	3	2	-	4	10	36
Dance		7	1	2	1	-	-	2	1	-
Applied design		113	16	33	1	-	5	5	1	52
Photography		7	1	-	2	-	-	-	-	4
Other		31	8	2	5	1	1	4	6	4
FOREIGN LANGUAGES		310	27	29	41	39	6	36	67	65
Foreign languages, general		32	2	2	3	5	1	2	14	3
French		98	9	11	16	13	4	9	14	22
German		55	4	3	5	7	-	9	16	11
Italian		1	-	-	-	-	-	1	-	-
Spanish		90	11	8	14	12	1	12	13	19
Russian		21	1	4	2	2	-	2	6	4
Latin		2	-	-	-	-	-	-	1	1
Greek, classical		6	-	1	1	-	-	-	1	3
Slavic language (other than Russian		2	-	-	-	-	-	-	-	2
Other		3	-	-	-	-	-	1	2	-
HEALTH PROFESSIONS	Total	1393	669	139	7	2	16	40	46	474
Health professions, general		15	6	2	2	-	1	-	-	4
Hospital and health care administration		9	6	-	-	-	1	1	-	1
Nursing		665	424	68	1	-	6	25	21	120
Occupational therapy		20	15	5	-	-	-	-	-	-
Pharmacy		328	123	39	-	-	7	1	10	148
Physical therapy		1	-	1	-	-	-	-	-	-
Dental hygiene		1	-	-	-	-	-	-	-	1
Medical record librarian		15	7	4	-	2	-	1	1	-
Speech pathology and audio.		15	6	1	-	-	-	2	6	-
Clinical social work		15	5	-	-	-	-	8	2	-
Medical lab. technologies		104	64	16	1	-	-	2	4	17
Radiologic technologies		2	1	-	-	-	-	-	-	1
Other		203	12	3	3	-	1	-	2	182

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
HOME ECONOMICS	Total	145	41	27	10	3	6	10	13	35
Home economics		60	18	7	7	2	4	3	2	17
Clothing and textiles		16	6	4	1	-	-	1	3	1
Consumer economics and home management		18	3	4	2	1	1	2	-	5
Foods and nutrition		51	14	12	-	-	1	4	8	12
LAW	Total	4	-	-	-	1	-	-	2	1
Law, general		4	-	-	-	1	-	-	2	1
LETTERS	Total	1160	129	102	144	111	13	66	291	304
English, general		638	73	52	84	61	9	50	130	179
Literature, English		59	8	3	4	6	-	3	22	13
Comparative literature		2	-	-	-	-	-	-	-	2
Classics		20	-	-	2	6	-	-	7	5
Linguistics		1	-	-	-	-	-	-	1	-
Speech, debate and forensic science		28	5	3	2	-	-	2	2	14
Creative writing		23	8	2	5	1	-	2	-	5
Philosophy		138	-	1	20	21	-	3	55	38
Religious studies		217	33	29	23	14	3	4	65	46
Other		34	2	12	4	2	1	2	9	2
LIBRARY SCIENCE	Total	4	3	-	-	-	1	-	-	-
Library sciences, general		4	3	-	-	-	1	-	-	-
MATHEMATICS	Total	341	93	103	12	17	-	10	56	50
Mathematics, general		289	80	75	12	17	-	10	48	47
Applied mathematics		49	11	27	-	-	-	-	8	3
Other		3	2	1	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	654	89	89	17	21	3	20	294	121
Physical sciences, general		13	1	1	-	-	-	2	5	4
Physics, general		96	12	16	2	2	-	3	46	15
Chemistry, general		429	67	53	9	8	3	12	205	72
Astronomy		1	-	-	1	-	-	-	-	-
Geology		110	8	18	5	11	-	3	37	28
Geophysics and seismology		2	-	-	-	-	-	-	1	1
Earth sciences, general		2	1	1	-	-	-	-	-	-
Other		1	-	-	-	-	-	-	-	1
PSYCHOLOGY	Total	836	132	57	85	58	19	73	195	217
Psychology, general		767	109	54	77	57	14	70	185	201
Psychology for counseling		21	4	3	2	-	3	2	7	-
Other		48	19	-	6	1	2	1	3	16
PUBLIC AFFAIRS AND SERVICES	Total	575	172	63	56	16	25	31	51	161
Community services, general		7	1	-	-	-	-	1	3	2
Parks and recreation management		16	8	2	2	-	-	-	-	4
Social work and helping services		205	56	18	14	3	2	13	23	76
Law enforcement and corrections		340	105	43	40	12	23	17	24	76
International public service		2	-	-	-	1	-	-	1	-
Other		5	2	-	-	-	-	-	-	3
SOCIAL SCIENCES	Total	2504	239	246	268	236	25	167	687	636
Social sciences, general		128	30	4	22	4	4	21	22	21
Anthropology		40	2	5	5	4	-	1	12	11
Archeology		13	-	1	2	-	-	-	9	1
Economics		549	83	129	32	44	2	30	123	106
History		513	25	24	69	79	6	32	147	131
Political science and government		661	23	30	70	65	2	45	277	149
Sociology		356	61	21	52	26	10	22	66	98
Criminology		31	8	3	7	-	-	10	2	1
International relations		56	1	12	3	4	1	2	16	17
Urban studies		4	-	1	1	1	-	-	-	1
Other		153	6	16	5	9	-	4	13	100

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
THEOLOGY	Total	183	31	44	24	22	4	9	28	21
Theological professions, general		104	18	25	15	13	3	2	19	9
Religious music		10	4	2	-	1	-	1	2	-
Religious education		64	9	17	9	7	1	6	6	9
Other		5	-	-	-	1	-	-	1	3
INTERDISCIPLINARY STUDIES	Total	138	36	24	11	11	1	9	[illegible]	33
General liberal arts and sciences		81	32	17	7	7	1	6	6	5
Biological and physical sciences		2	-	-	-	-	-	2	-	-
Humanities and social sciences		10	1	-	3	2	-	-	1	3
Other		45	3	7	1	2	-	1	6	25

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	71	8	8	2	2	1	2	9	39
Agronomy		13	1	3	-	-	-	-	3	6
Animal science (husbandry)		7	1	-	-	-	-	-	-	6
Dairy science (husbandry)		2	1	-	-	-	-	-	-	1
Fish, game, wildlife management		7	1	1	1	-	1	1	-	2
Horticulture		13	1	1	1	-	-	1	2	7
Agricultural economics		7	-	2	-	-	-	-	1	4
Food science and technologies		9	1	-	-	1	-	-	2	5
Natural resources management		13	2	1	-	1	-	-	1	8
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	60	11	6	-	1	-	-	-	42
Environmental design, general		1	-	-	-	-	-	-	-	1
Architecture		11	2	2	-	-	-	-	-	7
Urban architecture		8	1	4	-	-	-	-	-	3
City, community and regional planning		40	8	-	-	1	-	-	-	31
AREA STUDIES	Total	5	-	-	3	-	-	-	1	1
American studies		5	-	-	3	-	-	-	1	1
BIOLOGICAL SCIENCES	Total	167	26	6	5	1	3	3	29	94
Biology, general		76	13	3	3	1	2	3	9	42
Botany, general		2	-	-	-	-	1	-	-	1
Plant pathology		7	1	1	-	-	-	-	2	3
Zoology, general		2	-	-	-	-	-	-	1	1
Pathology, human and animal		1	-	-	-	-	-	-	1	-
Pharmacology		8	1	-	1	-	-	-	3	3
Physiology		7	-	-	-	-	-	-	2	5
Microbiology		6	-	-	-	-	-	-	5	1
Anatomy		3	-	-	-	-	-	-	1	2
Biochemistry		9	1	-	-	-	-	-	1	7
Biophysics		3	-	1	-	-	-	-	-	2
Biometrics and biostatistics		2	1	-	-	-	-	-	-	1
Ecology		4	-	-	-	-	-	-	-	4
Entomology		11	1	-	-	-	-	-	2	8
Genetics		4	1	-	-	-	-	-	-	3
Other		22	7	1	1	-	-	-	2	11
BUSINESS AND MANAGEMENT	Total	1332	310	300	15	5	8	32	30	632
Business and commerce, general		177	79	24	1	1	3	12	9	48
Accounting		84	22	10	1	-	2	4	2	43
Business statistics		5	-	-	1	-	-	-	2	2
Banking and finance		171	25	94	1	-	1	6	-	44
Business management and administration		744	139	118	8	3	2	9	11	454
Operation research		8	4	1	1	-	-	-	1	1
Marketing and purchasing		48	15	6	1	-	-	-	-	26
Real estate		3	1	-	-	-	-	-	-	2
Insurance		5	1	1	-	-	-	-	-	3
International business		6	2	1	-	1	-	1	-	1
Personnel management		42	13	28	-	-	-	-	1	-
Labor and industrial relations		30	8	15	1	-	-	-	-	6
Business economics		4	-	-	-	-	-	-	3	-
Other		5	1	1	-	-	-	-	1	2
COMMUNICATIONS	Total	62	10	9	2	-	-	2	1	38
Communications, general		41	8	4	-	-	-	1	1	27
Journalism (printed media)		12	2	5	-	-	-	-	-	5
Radio/television		5	-	-	1	-	-	1	-	3
Communications media (videotape, films, etc.)		4	-	-	1	-	-	-	-	3
COMPUTER AND INFORMATION SCIENCES	Total	77	16	11	1	1	-	-	9	39
Computer & information science, general		57	144	8	1	1	-	-	8	25
Information sciences & systems		20	2	3	-	-	-	-	1	14

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION	Total	3058	1029	179	99	13	47	63	58	1570
Education, general		251	28	4	11	2	5	-	1	200
Elementary education, general		513	206	19	8	1	7	5	-	267
Secondary education, general		75	21	2	1	-	2	-	1	48
Junior high school education		9	-	-	-	-	-	-	-	9
Higher education, general		9	2	1	-	-	-	-	-	6
Adult and continuing education		17	4	4	4	-	1	1	2	1
Special education, general		282	110	15	3	2	2	2	4	144
Education of the mentally retarded		63	25	5	1	-	-	1	-	31
Education of the culturally disadvantaged		2	1	-	1	-	-	-	-	-
Speech correction		120	46	29	5	-	1	3	-	36
Education of the emotionally disturbed		19	14	2	-	-	-	-	-	3
Special learning disabilities		11	2	-	-	-	-	-	-	9
Social foundations		3	-	-	-	-	-	-	-	3
Educational psychology		81	13	6	5	-	4	4	10	39
Educational statistics and research		6	-	-	-	-	-	-	-	6
Student personnel (counseling)		433	142	28	27	3	5	13	13	202
Educational administration		52	19	3	1	-	-	1	-	28
Educational supervision		39	6	-	1	-	-	-	1	31
Curriculum and instruction		42	6	-	2	-	1	2	1	30
Reading education		439	199	25	8	-	9	13	3	182
Art education		39	13	1	1	-	1	-	1	22
Music education		35	12	5	-	-	4	-	-	14
Mathematics education		39	19	-	2	-	-	2	-	16
Science education		8	2	-	-	-	-	1	-	5
Physical education		56	14	11	-	-	1	3	2	25
Health education and the family		9	2	1	1	-	-	-	-	5
Business commerce and distributive education		60	15	1	-	-	-	1	1	42
Industrial arts, vocational and technical education		52	25	1	1	2	-	2	2	19
School psychologist		7	1	-	3	-	-	-	1	2
Biology education		6	1	1	-	-	-	-	-	4
Spanish education		1	1	-	-	-	-	-	-	-
English education		31	17	5	1	-	-	-	-	8
Earth and space science education		8	2	2	-	-	-	-	-	4
Chemistry education		2	-	-	-	-	-	-	-	2
Social studies education		29	9	3	4	-	-	-	3	10
Home economics education		20	8	-	2	-	-	1	1	8
Other		190	44	5	6	3	4	8	11	109
ENGINEERING	Total	480	75	103	1	3	-	4	41	253
Engineering, general		25	6	1	1	-	-	-	1	16
Aerospace, aeronautical and astronautical entineering		5	-	1	-	-	-	-	-	4
Agricultural engineering		2	-	-	-	-	-	-	-	2
Architectural engineering		3	-	-	-	-	-	-	-	3
Bioengineering and biomedical engineering		12	2	3	-	-	-	-	1	6
Chemical engineering (including petroleum refining)		60	10	22	-	-	-	-	8	20
Petroleum engineering (excluding petroleum refining)		7	-	-	-	-	-	-	-	7
Civil, construction and transportation engineering		65	10	13	-	1	-	-	6	35
Electrical, electronics and communications engineering		79	11	34	-	-	-	-	8	26
Mechanical engineering		28	6	6	-	-	-	1	3	12
Industrial and management engineering		69	9	6	-	2		1	-	51
Metallurgical engineering		18	4	3	-	-	-	1	3	7
Materials engineering		7	2	2	-	-	-	-	-	3
Ceramic engineering		2	-	-	-	-	-	-	-	2
Mining and mineral engineering		20	1	1	-	-	-	-	4	14
Nuclear engineering		16	2	3	-	-	-	-	1	10
Engineering mechanics		3	-	2	-	-	-	-	-	1
Environmental sanitary engineering		16	6	-	-	-	-	-	-	10
Engineering tech. (baccalaureate and higher programs		3	-	-	-	-	-	-	1	2
Other		40	6	6	-	-	-	1	5	22

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
FINE AND APPLIED ARTS	Total	189	23	26	4	2	11	11	5	107
Fine arts, general		29	3	2	1	-	1	4	-	18
Art history and appreciation		11	-	1	1	-	1	-	1	7
Music (performing, composition, theory)		51	9	5	2	-	6	4	1	24
Music (liberal arts program)		28	5	8	-	-	-	-	3	12
Music history and appreciation (musicology)		4	1	-	-	-	-	1	-	2
Dramatic arts		35	1	8	-	-	2	1	-	23
Dance		3	2	-	-	-	-	-	-	1
Applied design		10	2	-	-	1	1	1	-	5
Photography		4	-	1	-	-	-	-	-	3
Opera		8	-	-	-	-	-	-	-	8
Print making		6	-	1	-	1	-	-	-	4
FOREIGN LANGUAGES	Total	60	10	7	3	-	1	1	2	36
Foreign languages, general		2	-	-	-	-	-	-	-	2
French		16	3	2	-	-	-	1	-	10
German		16	3	1	1	-	-	-	2	9
Italian		3	-	-	-	-	-	-	-	3
Spanish		18	3	4	2	-	1	-	-	8
Latin		1	1	-	-	-	-	-	-	-
Slavic languages (other than Russian)		4	-	-	-	-	-	-	-	4
HEALTH PROFESSIONS	Total	487	131	47	3	1	4	3	13	285
Health professions, general		19	5	-	-	-	-	-	-	14
Hospital and health care administration		23	7	5	-	-	-	-	-	13
Nursing		122	51	7	-	-	2	-	3	59
Dental specialties		12	2	1	-	-	-	-	-	9
Medical (assistant)		1	-	-	-	-	-	-	1	-
Medical specialties		4	-	-	-	-	-	-	-	4
Occupational therapy		1	-	1	-	-	-	-	-	-
Pharmacy		10	-	-	-	-	-	-	-	10
Public health		116	6	4	1	1	-	-	5	99
Speech pathology and audio.		60	21	6	-	-	-	-	-	33
Clinical social work		34	12	1	1	-	-	2	1	17
Medical lab. technologies		6	2	1	-	-	-	-	1	2
Radiologic technologies		4	3	1	-	-	-	-	-	-
Other		73	22	20	1	-	2	1	2	25
HOME ECONOMICS	Total	19	1	2	-	-	1	-	2	13
Family relations and child development		6	1	1	-	-	-	-	1	3
Foods and nutrition		13	-	1	-	-	1	-	1	10
LAW	Total	3	1	-	-	-	-	-	-	2
Law, general		3	1	-	-	-	-	-	-	2
LETTERS	Total	134	23	11	3	1	5	6	14	69
English, general		61	18	5	2	1	3	3	3	26
Comparative literature		3	-	-	-	-	-	-	1	2
Classics		2	-	-	-	-	-	-	-	2
Linguistics		15	-	2	-	-	-	-	1	12
Speech, debate and forensic science		16	3	2	-	-	1	1	3	6
Philosophy		13	-	-	-	-	-	1	2	10
Religious studies		20	4	2	1	-	1	1	4	7
Other		4	-	-	-	-	-	-	-	4
LIBRARY SCIENCE	Total	210	22	16	3	2	1	6	7	153
Library science, general		210	22	16	3	2	1	6	7	153
MATHEMATICS	Total	86	20	8	3	1	-	1	16	37
Mathematics, general		66	19	5	3	1	-	-	12	26
Statistics, mathematical and theoretical		20	1	3	-	-	-	1	4	11

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
PHYSICAL SCIENCES	Total	166	17	24	1	1	2	4	25	92
Physics, general		53	3	5	-	-	-	-	15	30
Chemistry, general		46	6	7	-	-	1	2	7	23
Physical chemistry		1	-	-	-	-	-	-	-	1
Pharmaceutical chemistry		11	2	-	-	-	-	-	-	9
Astronomy		2	-	-	-	-	-	-	1	1
Atmospheric sciences and meteorology		12	-	5	-	-	-	-	-	7
Geology		12	1	2	-	-	1	1	-	7
Geophysics and seismology		3	-	1	-	-	-	-	-	2
Earth sciences, general		11	3	-	1	1	-	1	-	5
Metallurgy		3	1	-	-	-	-	-	1	1
Other		12	1	4	-	-	-	-	1	6
PSYCHOLOGY	Total	182	30	10	5	1	8	2	36	90
Psychology, general		78	14	6	-	-	3	1	11	43
Clinical psychology		48	7	3	2	-	1	-	19	16
Psychology for counseling		37	7	1	3	1	3	1	4	17
Social psychology		10	-	-	-	-	-	-	1	9
Psychometrics		3	-	-	-	-	-	-	-	3
Industrial psychology		3	2	-	-	-	-	-	-	1
Developmental psychology		3	-	-	-	-	1	-	1	1
PUBLIC AFFAIRS AND SERVICES	Total	612	104	53	14	10	3	18	2	408
Community services, general		2	1	-	-	-	-	-	-	1
Public administration		302	49	36	10	8	-	6	2	191
Parks and recreation management		11	1	-	-	-	-	1	-	9
Social work		235	49	16	4	1	3	9	-	153
International public service		49	2	1	-	1	-	1	-	44
Other		13	2	-	-	-	-	1	-	10
SOCIAL SCIENCES	Total	277	35	14	12	5	2	8	18	183
Social sciences, general		21	7	4	-	-	-	-	-	10
Anthropology		15	1	-	1	-	-	-	3	10
Economics		31	3	2	-	-	-	-	2	24
History		45	9	2	3	3	-	4	3	21
Geography		30	8	3	2	2	-	2	2	11
Political science and government		26	1	1	4	-	1	1	5	13
Sociology		18	1	1	2	-	1	-	2	11
Criminolgoy		10	3	1	-	-	-	-	1	5
Urban studies		1	-	-	-	-	-	-	-	1
Other		80	2	-	-	-	-	1	-	77
INTERDISCIPLINARY STUDIES	Total	39	11	1	-	-	-	1	-	26
General liberal arts and sciences		1	-	-	-	-	-	-	-	1
Other		38	11	1	-	-	-	1	-	25

Table 31.1

Employment Status by Degree Field for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
BIOLOGICAL SCIENCES	Total	52	9	3	3	1	1	3	5	27
Biology, general		52	9	3	3	1	1	3	5	27
BUSINESS AND MANAGEMENT	Total	120	34	13	2	1	-	4	4	62
Business and commerce, general		82	24	7	1	1	-	3	3	43
Investment and securities		35	9	4	1	-	-	1	1	19
Labor and industrial relations		3	1	2	-	-	-	-	-	-
COMMUNICATIONS	Total	40	7	3	1	-	-	1	1	27
Communications, general		37	7	3	-	-	-	1	1	25
Communication media (videotape, film, etc.)		3	-	-	1	-	-	-	-	2
EDUCATION	Total	1264	602	116	59	2	5	33	15	432
Elementary education, general		249	130	10	5	-	3	4	-	97
Secondary education, general		1	1	-	-	-	-	-	-	-
Adult and continuing education		16	4	4	4	-	-	1	2	1
Special education, general		96	64	9	1	-	-	1	-	21
Education of the mentally retarded		53	24	2	1	-	-	1	-	25
Education of the culturally disadvantaged		2	1	-	1	-	-	-	-	-
Speech correction		91	42	21	5	-	-	1	-	22
Education of the emotionally disturbed		19	14	2	-	-	-	-	-	3
Special learning disabilities		11	2	-	-	-	-	-	-	9
Educational psychology		20	2	5	2	-	-	1	1	9
Student personnel (counseling and guidance)		213	90	20	25	2	-	9	4	63
Educational administration		18	4	2	1	-	-	-	-	11
Reading education		259	147	20	3	-	2	9	1	77
Art education		8	2	1	-	-	-	-	1	4
Music education		6	1	2	-	-	-	-	-	3
Mathematics education		24	14	-	2	-	-	1	-	7
Science education		3	-	-	-	-	-	-	-	3
Physical education		22	8	7	-	-	-	2	1	4
Business, commerce, distributive education		28	8	-	-	-	-	1	-	19
Industrial arts, vocational and technical education		9	7	-	-	-	-	-	-	2
School psychologist		7	1	-	3	-	-	-	1	2
Biology education		6	1	1	-	-	-	-	-	4
English education		24	15	4	-	-	-	-	-	5
Earth and space science education		8	2	2	-	-	-	-	-	4
Chemistry education		1	-	-	-	-	-	-	-	1
Special studies education		17	6	2	2	-	-	-	1	6
Home economics education		20	8	-	2	-	-	1	1	8
Other		33	4	2	2	-	-	1	2	22
FINE AND APPLIED ARTS	Total	27	5	8	-	-	-	2	3	9
Art (painting, drawing, sculpture)		5	-	-	-	-	-	2	-	3
Music (liberal arts program)		22	5	8	-	-	-	-	3	6
FOREIGN LANGUAGE	Total	19	9	5	-	-	-	-	-	5
French		7	3	1	-	-	-	-	-	3
German		5	2	1	-	-	-	-	-	2
Spanish		6	3	3	-	-	-	-	-	-
Latin		1	1	-	-	-	-	-	-	-
HEALTH PROFESSIONS	Total	26	11	2	1	-	-	1	-	11
Nursing		1	-	-	-	-	-	-	-	1
Speech pathology and audio.		15	8	2	-	-	-	-	-	5
Clinical social work		10	3	-	1	-	-	1	-	5
LETTERS	Total	23	10	2	1	1	-	1	-	8
English, general		23	10	2	1	1	-	1	-	8

Table 31.1

Employment Status by Degree Field for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
LIBRARY SCIENCE	Total	49	11	5	2	-	1	6	2	22
Library science, general		49	11	5	2	-	1	6	2	22
MATHEMATICS	Total	21	15	-	1	-	-	-	-	5
Mathematics, general		21	15	-	1	-	-	-	-	5
PHYSICAL SCIENCES	Total	21	7	3	1	1	-	1	1	7
Physical science, general		5	2	1	-	-	-	-	-	2
Chemistry, general		4	2	1	-	-	-	-	1	-
Geology		1	-	1	-	-	-	-	-	-
Earth sciences, general		11	3	-	1	1	-	1	-	5
PSYCHOLOGY	Total	52	12	8	3	-	1	-	6	22
Psychology		29	8	5	-	-	1	-	2	13
Clinical psychology		13	1	3	2	-	-	-	1	6
Psychology for counseling		7	1	-	1	-	-	-	3	2
Industrial psychology		3	2	-	-	-	-	-	-	1
PUBLIC AFFAIRS AND SERVICES	Total	54	1	-	4	6	-	1	-	42
Public administration		53	1	-	4	6	-	-	-	42
Parks and recreation management		1	-	-	-	-	-	1	-	-
SOCIAL SCIENCES	Total	59	17	7	4	2	-	5	4	20
Social sciences, general		2	-	1	-	-	-	-	-	1
History		17	5	2	2	-	-	3	-	5
Geography		19	8	2	1	2	-	2	1	3
Political science and government		10	1	1	1	-	-	-	2	5
Sociology		1	-	-	-	-	-	-	-	1
Criminology		10	3	1	-	-	-	-	1	5
INTERDISCIPLINARY STUDIES	Total	3	2	-	-	-	-	-	-	1
Other		3	2	-	-	-	-	-	-	1

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	71	8	8	2	2	1	2	9	39
Agronomy		13	1	3	-	-	-	-	3	6
Animal science (husbandry)		7	1	-	-	-	-	-	-	6
Dairy science (husbandry)		2	1	-	-	-	-	-	-	1
Fish, game and wildlife management		7	1	1	1	-	1	1	-	2
Horticulture		13	1	1	1	-	-	1	2	7
Agricultural economics		7	-	2	-	-	-	-	1	4
Food science and technology		9	1	-	-	1	-	-	2	5
Natural resource management		13	2	1	-	1	-	-	1	8
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	43	8	-	-	1	-	-	-	34
Environmental design, general		1	-	-	-	-	-	-	-	1
Architecture		2	-	-	-	-	-	-	-	2
City, community and regional planning		40	8	-	-	1	-	-	-	31
AREA STUDIES	Total	5	-	-	3	-	-	-	1	1
American studies		5	-	-	3	-	-	-	1	1
BIOLOGICAL SCIENCES	Total	88	9	3	1	-	2	-	11	62
Biology, general		21	3	-	-	-	1	-	3	14
Botany, general		2	-	-	-	-	1	-	-	1
Plant pathology		7	1	1	-	-	-	-	2	3
Zoology, general		2	-	-	-	-	-	-	1	1
Pharmacology, human and animal		2	-	-	1	-	-	-	-	1
Physiology, human and animal		6	-	-	-	-	-	-	1	5
Microbiology		1	-	-	-	-	-	-	-	1
Biochemistry		8	-	-	-	-	-	-	1	7
Biophysics		3	-	1	-	-	-	-	-	2
Biometrics and biostatistics		2	1	-	-	-	-	-	-	1
Ecology		4	-	-	-	-	-	-	-	4
Entomology		11	1	-	-	-	-	-	2	8
Genetics		4	1	-	-	-	-	-	-	3
Other		15	2	1	-	-	-	-	1	11
BUSINESS AND MANAGEMENT	Total	646	115	41	13	4	3	6	13	451
Accounting		43	13	4	1	-	1	1	2	21
Business statistics		5	-	-	1	-	-	-	2	2
Banking and finance		38	9	3	1	-	1	-	-	24
Business management and administration		495	71	30	7	3	1	4	9	370
Operations research		4	3	-	1	-	-	-	-	-
Marketing and purchasing		34	12	1	1	-	-	-	-	20
Real estate		3	1	-	-	-	-	-	-	2
Insurance		4	-	1	-	-	-	-	-	3
International business		6	2	1	-	1	-	1	-	1
Labor and industrial relations		11	3	1	1	-	-	-	-	6
Other		3	1	-	-	-	-	-	-	2
COMMUNICATIONS	Total	22	3	6	1	-	-	1	-	11
Communications, general		4	1	1	-	-	-	-	-	2
Journalism (printed media)		12	2	5	-	-	-	-	-	5
Radio/television		5	-	-	1	-	-	1	-	3
Communications media (videotape, films, etc.)		1	-	-	-	-	-	-	-	1
COMPUTER AND INFORMATION SCIENCES	Total	69	16	11	1	1	-	-	2	38
Computer and information sciences, general		49	14	8	1	1	-	-	1	24
Information sciences and systems		20	2	3	-	-	-	-	1	14
EDUCATION	Total	1431	331	44	30	8	27	28	35	928
Education, general		65	15	1	4	-	1	-	1	43
Elementary education, general		243	69	4	3	1	3	1	-	162

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Secondary education, general		69	17	2	1	-	2	-	1	46
Junior high school education		9	-	-	-	-	-	-	-	9
Higher education, general		9	2	1	-	-	-	-	-	6
Special education, general		186	46	6	2	2	2	1	4	123
Education of the mentally retarded		10	1	3	-	-	-	-	-	6
Speech correction		29	4	8	-	-	1	2	-	14
Social foundations		3	-	-	-	-	-	-	-	3
Educational psychology		61	11	1	3	-	4	3	9	30
Educational statistics and research		6	-	-	-	-	-	-	-	6
Student personnel (counseling and guidance)		159	21	6	2	-	2	3	3	124
Educational administration		11	3	-	-	-	-	-	-	8
Educational supervision		39	6	-	1	-	-	-	1	31
Curriculum and instruction		42	6	-	2	-	1	2	1	30
Reading education		155	40	2	5	-	4	4	2	98
Art education		28	10	-	1	-	1	-	-	16
Music education (methodology and theory)		20	6	2	-	-	1	-	-	11
Mathematics education		12	4	-	-	-	-	1	-	7
Science education		4	1	-	-	-	-	1	-	2
Physical education		34	6	4	-	-	1	1	1	21
Health education		9	2	1	1	-	-	-	-	5
Business, commerce and distributive education		32	7	1	-	-	-	-	1	23
Industrial arts, vocational and technical education		43	18	1	1	2	-	2	2	17
Other		153	36	3	4	3	4	7	9	87
ENGINEERING	Total	271	39	17	1	2	-	2	14	196
Engineering, general		19	1	-	1	-	-	-	1	16
Aerospace, aeronautical and astronautical engineering		5	-	1	-	-	-	-	-	4
Agricultural engineering		2	-	-	-	-	-	-	-	2
Architectural engineering		3	-	-	-	-	-	-	-	3
Bioengineering and biomedical engineering		3	-	1	-	-	-	-	1	1
Chemical engineering (include petroleum refining)		18	4	1	-	-	-	-	1	12
Petroleum engineering (exclude petroleum refining)		7	-	-	-	-	-	-	-	7
Civil, construction and transportation engineering		38	7	2	-	-	-	-	3	26
Electrical, electronics and communications engineering		20	4	2	-	-	-	-	-	14
Mechanical engineering		16	5	1	-	-	-	-	3	7
Industrial and management engineering		63	8	4	-	2	-	1	-	48
Metallurgical engineering		6	2	-	-	-	-	-	-	4
Materials engineering		1	1	-	-	-	-	-	-	-
Ceramic engineering		2	-	-	-	-	-	-	-	2
Mine and mineral engineering		20	1	1	-	-	-	-	4	14
Nuclear engineering		12	1	2	-	-	-	-	-	9
Engineering mechanics		3	-	2	-	-	-	-	-	1
Environmental and sanitary engineering		6	1	-	-	-	-	-	-	5
Engineering technology		3	-	-	-	-	-	-	1	2
Other		24	4	-	-	-	-	1	-	19
FINE AND APPLIED ARTS	Total	126	9	8	3	2	8	7	1	88
Art (painting, drawing, sculpture)		23	3	1	1	-	1	2	-	15
Art history and appreciation		11	-	1	1	-	1	-	1	7
Music (performing, composition, theory)		30	3	1	1	-	4	3	-	18
Music (liberal arts program)		6	-	-	-	-	-	-	-	6
Music history and appreciation		4	1	-	-	-	-	1	-	2
Dramatic arts		28	1	3	-	-	2	1	-	21
Applied design (ceramics, weaving, textile design, fashion design, jewelry)		6	1	-	-	1	-	-	-	4
Photography		4	-	1	-	-	-	-	-	3
Opera		8	-	-	-	-	-	-	-	8
Print making		6	-	1	-	1	-	-	-	4

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1979
(continued)

NRCIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
FOREIGN LANGUAGES	Total	41	1	2	3	-	1	1	2	31
Foreign languages, general		2	-	-	-	-	-	-	-	2
French		9	-	1	-	-	-	1	-	7
German		11	1	-	1	-	-	-	2	7
Italian		3	-	-	-	-	-	-	-	3
Spanish		12	-	1	2	-	1	-	-	8
Slavic languages (other than Russian)		4	-	-	-	-	-	-	-	4
HEALTH PROFESSIONS	Total	361	56	29	1	1	4	1	12	257
Health professions, general		19	5	-	-	-	-	-	-	14
Hospital and health care administration		25	7	5	-	-	-	-	-	13
Nursing		91	21	7	-	-	2	-	3	58
Dental specialties		12	2	1	-	-	-	-	-	9
Medical assistant		1	-	-	-	-	-	-	1	-
Medical specialties		4	-	-	-	-	-	-	-	4
Occupational therapy		1	-	1	-	-	-	-	-	-
Pharmacy		9	-	-	-	-	-	-	-	9
Public health		116	6	4	1	1	-	-	5	99
Speech pathology and audio.		33	4	1	-	-	-	-	-	28
Medical lab. technologies		6	2	1	-	-	-	-	1	2
Radiologic technologies		4	3	1	-	-	-	-	-	-
Other		40	6	8	-	-	2	1	2	21
HOME ECONOMICS	Total	19	1	2	-	-	1	-	2	13
Family relations and child development		6	1	1	-	-	-	-	1	3
Foods and nutrition		13	-	1	-	-	1	-	1	10
LAW	Total	3	1	-	-	-	-	-	-	2
Law, general		3	1	-	-	-	-	-	-	2
LETTERS	Total	95	6	6	1	-	5	4	13	60
English, general		26	2	1	-	-	3	1	2	17
Comparative literature		3	-	-	-	-	-	-	1	2
Classics		2	-	-	-	-	-	-	-	2
Linguistics		15	-	2	-	-	-	-	1	12
Speech, debate, forensic science		16	3	2	-	-	1	1	3	6
Philosophy		13	-	-	-	-	-	1	2	10
Religious studies (excluding theology)		16	1	1	1	-	1	1	4	7
Other		4	-	-	-	-	-	-	-	4
LIBRARY SCIENCE	Total	157	8	11	1	2	-	-	5	130
Library science, general		157	8	11	1	2	-	-	5	130
MATHEMATICS	Total	37	4	1	2	1	-	1	3	25
Mathematics, general		27	3	-	2	1	-	-	3	18
Statistics		10	1	1	-	-	-	1	-	7
PHYSICAL SCIENCES	Total	112	6	17	-	-	1	1	10	77
Physics, general		32	-	2	-	-	-	-	5	25
Chemistry, general		28	2	4	-	-	-	-	2	20
Pharmaceutical chemistry		9	1	-	-	-	-	-	-	8
Astronomy		2	-	-	-	-	-	-	1	1
Atmospheric sciences and meteorology		12	-	5	-	-	-	-	-	7
Geology		11	1	1	-	-	1	1	-	7
Geophysics and seismology		3	-	1	-	-	-	-	-	2
Metallurgy		3	1	-	-	-	-	-	1	1
Other		12	1	4	-	-	-	-	1	6
PSYCHOLOGY	Total	100	8	2	2	1	5	2	15	65
Psychology, general		40	2	1	-	-	-	1	8	28
Clinical psychology		14	-	-	-	-	1	-	4	9
Psychology for counseling		30	6	1	2	1	3	1	1	15
Social psychology		10	-	-	-	-	-	-	1	9
Psychometrics		3	-	-	-	-	-	-	-	3
Other		3	-	-	-	-	1	-	1	1

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
PUBLIC AFFAIRS AND SERVICES	Total	519	97	30	10	4	3	17	2	356
Community services, general		2	1	-	-	-	-	-	-	1
Public administrator		210	42	13	6	2	-	6	2	139
Parks and recreation management		10	1	-	-	-	-	-	-	9
Social work and helping services		235	49	16	4	1	3	9	-	133
International public service		49	2	1	-	1	-	1	-	44
Other		13	2	-	-	-	-	1	-	10
SOCIAL SCIENCES	Total	120	7	4	7	-	2	3	13	84
Social sciences, general		8	-	-	-	-	-	-	-	8
Anthropology		15	1	-	1	-	-	-	1	10
Economics		29	2	2	-	-	-	-	1	23
History		16	1	-	-	-	-	1	1	12
Geography		11	-	1	1	-	-	-	1	8
Political science and government		16	-	-	3	-	1	1	3	8
Sociology		17	1	1	2	-	1	-	2	10
Urban studies		1	-	-	-	-	-	-	-	1
Other		7	2	-	-	-	-	1	-	4
INTERDISCIPLINARY STUDIES	Total	36	9	1	-	-	-	1	-	25
General liberal arts and science		1	-	-	-	-	-	-	-	1
Other		35	9	1	-	-	-	1	-	24

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for the State-Aided Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
BIOLOGICAL SCIENCES	Total	21	7	-	1	-	-	-	11	2
Biology, general		1	1	-	-	-	-	-	-	-
Pathology, human and animal		1	-	-	-	-	-	-	1	-
Pharmacology		3	1	-	-	-	-	-	2	-
Physiology		1	-	-	-	-	-	-	1	-
Microbiology		5	-	-	-	-	-	-	5	-
Anatomy		3	-	-	-	-	-	-	1	2
Other		7	5	-	1	-	-	-	1	-
BUSINESS AND MANAGEMENT	Total	59	8	1	-	-	-	-	-	50
Accounting		22	2	-	-	-	-	-	-	20
Banking and finance		1	-	1	-	-	-	-	-	-
Business management and administration		32	2	-	-	-	-	-	-	30
Operations research		1	1	-	-	-	-	-	-	-
Insurance		1	1	-	-	-	-	-	-	-
Personnel management		2	2	-	-	-	-	-	-	-
EDUCATION	Total	4	4	-	-	-	-	-	-	-
Other		4	4	-	-	-	-	-	-	-
ENGINEERING	Total	46	11	14	-	-	-	-	-	21
Bioengineering and biomedical engineering		8	2	1	-	-	-	-	-	5
Chemical engineering		3	-	1	-	-	-	-	-	2
Electrical, electronics and communications engineering		13	3	7	-	-	-	-	-	3
Mechanical engineering		6	-	3	-	-	-	-	-	3
Materials engineering		6	1	2	-	-	-	-	-	3
Environmental and sanitary engineering		10	5	-	-	-	-	-	-	5
FINE AND APPLIED ARTS	Total	4	2	1	-	-	-	-	-	1
Music (performing, composition, theory)		1	-	1	-	-	-	-	-	-
Dance		3	2	-	-	-	-	-	-	1
HEALTH PROFESSIONS	Total	45	25	15	1	-	-	-	-	4
Speech pathology and audio.		12	9	3	-	-	-	-	-	-
Other		33	16	12	1	-	-	-	-	4
PHYSICAL SCIENCES	Total	2	-	-	-	-	-	-	-	2
Physics, general		1	-	-	-	-	-	-	-	1
Physical chemistry		1	-	-	-	-	-	-	-	1
PSYCHOLOGY	Total	21	6	-	-	-	-	-	14	1
Clinical psychology		21	6	-	-	-	-	-	14	1

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for the Private Institutions in Pennsylvania, 1979

NEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	17	3	6	-	-	-	-	-	8
Architecture		9	2	2	-	-	-	-	-	5
Urban architecture		8	1	4	-	-	-	-	-	3
BIOLOGICAL SCIENCES	Total	6	1	-	-	-	-	-	2	3
Biology, general		2	-	-	-	-	-	-	1	1
Pharmacology, human and animal		3	-	-	-	-	-	-	1	2
Biochemistry		1	1	-	-	-	-	-	-	-
BUSINESS AND MANAGEMENT	Total	507	153	245	-	-	5	22	13	69
Business and commerce, general		95	35	17	-	-	3	9	6	5
Accounting		19	7	6	-	-	1	3	-	2
Banking and finance		132	16	90	-	-	-	6	-	20
Business and management administration		182	57	84	-	-	1	4	1	35
Operations research		3	-	1	-	-	-	-	1	1
Marketing and purchasing		14	3	5	-	-	-	-	-	6
Personnel management		40	11	28	-	-	-	-	1	-
Labor and industrial relations		16	4	12	-	-	-	-	-	-
Business economics		4	-	1	-	-	-	-	3	-
Other		2	-	1	-	-	-	-	1	-
COMPUTER AND INFORMATION SCIENCES	Total	8	-	-	-	-	-	-	7	1
Computer and information science, general		8	-	-	-	-	-	-	7	1
EDUCATION	Total	359	92	19	10	3	15	2	8	210
Education, general		186	13	3	7	2	4	-	-	157
Elementary education		21	7	5	-	-	1	-	-	8
Secondary education		5	3	-	-	-	-	-	-	2
Adult and continuing education		1	-	-	-	-	1	-	-	-
Student personnel (counseling, guidance)		61	31	4	-	1	3	1	6	15
Educational administration		23	12	1	-	-	-	1	-	9
Reading education		25	12	3	-	-	3	-	-	7
Art education		3	1	-	-	-	-	-	-	2
Music education		9	5	1	-	-	3	-	-	-
Mathematics education		3	1	-	-	-	-	-	-	2
Science education		1	1	-	-	-	-	-	-	-
Spanish education		1	1	-	-	-	-	-	-	-
English education		7	2	1	1	-	-	-	-	3
Chemistry education		1	-	-	-	-	-	-	-	1
Social studies education		12	3	1	2	-	-	-	2	4
ENGINEERING	Total	163	25	72	-	1	-	2	27	36
Engineering, general		6	5	1	-	-	-	-	-	-
Bioengineering and biomedical engineering		1	-	1	-	-	-	-	-	-
Chemical engineering		39	6	20	-	-	-	-	7	6
Civil construction and transportation engineering		27	3	11	-	1	-	-	3	9
Electrical, electronics and communications engineering		46	4	25	-	-	-	-	8	9
Mechanical engineering		6	1	2	-	-	-	1	-	2
Industrial and management engineering		6	1	2	-	-	-	-	-	3
Metallurgical engineering		12	2	3	-	-	-	1	3	3
Nuclear engineering		4	1	1	-	-	-	-	1	1
Other		16	2	6	-	-	-	-	5	3
FINE AND APPLIED ARTS	Total	32	7	9	1	-	3	2	1	9
Art (printing, drawing, sculpture)		1	-	1	-	-	-	-	-	-
Music (performing, composition, theory)		20	6	3	1	-	2	1	1	6
Dramatic arts		7	-	5	-	-	-	-	-	2
Applied design		4	1	-	-	-	1	1	-	1

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for the Private Institutions in Pennsylvania, 1979 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
HEALTH PROFESSIONS	Total	55	39	1	-	-	-	1	1	13
Nursing		30	30	-	-	-	-	-	-	-
Pharmacy		1	-	-	-	-	-	-	-	1
Clinical social work		24	9	1	-	-	-	1	1	12
LETTERS	Total	16	9	3	1	-	-	1	1	1
English, general		12	6	2	1	-	-	1	1	1
Religious studies		4	3	1	-	-	-	-	-	-
LIBRARY SCIENCE	Total	4	3	-	-	-	-	-	-	1
Library science, general		4	3	-	-	-	-	-	-	1
MATHEMATICS	Total	28	1	7	-	-	-	-	13	7
Mathematics, general		18	1	5	-	-	-	-	9	3
Statistics, mathematical and theoretical		10	-	2	-	-	-	-	4	4
PHYSICAL SCIENCES	Total	31	4	4	-	-	1	2	14	6
Physics, general		15	1	2	-	-	-	-	10	2
Chemistry, general		14	2	2	-	-	1	2	4	3
Pharmaceutical chemistry		2	1	-	-	-	-	-	-	1
PSYCHOLOGY	Total	9	4	-	-	-	2	-	1	2
Psychology, general		9	4	-	-	-	2	-	1	2
PUBLIC AFFAIRS AND SERVICES	Total	39	6	23	-	-	-	-	-	10
Public administration		39	6	23	-	-	-	-	-	10
SOCIAL SCIENCES	Total	98	11	3	1	3	-	-	1	79
Social sciences, general		11	7	3	-	-	-	-	-	1
Economics		2	1	-	-	-	-	-	-	1
History		12	3	-	1	3	-	-	1	4
Other		73	-	-	-	-	-	-	-	73

Table 32.0

Employment Status by Degree Field for Doctoral
Degree Recipients for All Institutions in Pennsylvania, 1979

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	11	-	3	-	-	-	-	-	8
Agronomy (field crops and crop management)		2	-	-	-	-	-	-	-	2
Animal science (husbandry)		1	-	1	-	-	-	-	-	-
Dairy science (husbandry)		1	-	1	-	-	-	-	-	-
Horticulture (fruit and vegetable production)		2	-	-	-	-	-	-	-	2
Agriculture economics		3	-	1	-	-	-	-	-	2
Food science & technology		2	-	-	-	-	-	-	-	2
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	1	-	-	-	-	-	-	-	1
Architecture		1	-	-	-	-	-	-	-	1
BIOLOGICAL SCIENCES	Total	76	7	10	-	-	-	-	2	57
Biology, general		17	1	2	-	-	-	-	1	13
Plant pathology		5	-	-	-	-	-	-	-	5
Pathology, human and animal		1	-	-	-	-	-	-	-	1
Pharmacology, human and animal		14	2	1	-	-	-	-	-	11
Physiology, human and animal		10	2	1	-	-	-	-	-	7
Microbiology		5	-	3	-	-	-	-	1	1
Anatomy		4	1	1	-	-	-	-	-	2
Biochemistry		3	-	1	-	-	-	-	-	2
Biophysics		5	-	1	-	-	-	-	-	4
Biometrics & biostatistics		1	-	-	-	-	-	-	-	1
Entomology		3	-	-	-	-	-	-	-	3
Genetics		3	-	-	-	-	-	-	-	3
Other		5	1	-	-	-	-	-	-	4
BUSINESS AND MANAGEMENT	Total	36	1	7	-	-	-	-	-	28
Business statistics		1	1	-	-	-	-	-	-	-
Banking and finance		1	-	-	-	-	-	-	-	1
Business management and administration		29	-	3	-	-	-	-	-	26
Operations research		3	-	3	-	-	-	-	-	-
Business economics		2	-	1	-	-	-	-	-	1
COMMUNICATIONS	Total	3	1	-	-	-	-	-	-	2
Communications, general		1	-	-	-	-	-	-	-	1
Journalism (printed media)		1	-	-	-	-	-	-	-	1
Radio/television		1	1	-	-	-	-	-	-	-
COMPUTER AND INFORMATION SCIENCES	Total	14	-	6	-	-	-	-	-	8
Computer and information sciences, general		11	-	6	-	-	-	-	-	5
Information sciences and systems		3	-	-	-	-	-	-	-	3
EDUCATION	Total	353	54	27	8	1	5	5	-	253
Education, general		5	-	-	-	-	-	-	-	5
Elementary education, general		18	2	-	2	-	-	-	-	14
Secondary education, general		4	1	-	-	-	-	-	-	3
Higher education, general		37	1	-	-	-	-	-	-	36
Special education, general		17	4	1	-	-	-	-	-	12
Education of the mentally retarded		3	-	1	1	-	-	-	-	1
Social foundations		9	1	-	1	-	-	-	-	7
Educational psychology		27	2	4	1	-	3	2	-	15
Educational statistics and research		6	-	-	-	-	-	-	-	6
Student personnel		30	1	3	-	-	-	-	-	26
Educational administration		19	3	1	-	-	-	-	-	15
Educational supervision		22	3	-	-	-	-	-	-	19

Table 32.0

Employment Status by Degree Field for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Curriculum and instruction		39	8	2	-	-	1	-	-	28
Reading education		15	3	1	-	-	-	-	-	11
Art education		3	-	2	-	-	-	-	-	1
Music education		11	2	4	-	-	-	1	-	4
Mathematics education		2	1	-	-	-	-	-	-	1
Science education		7	2	1	1	-	-	-	-	3
Physical education		10	4	-	-	-	-	-	-	6
Health education		4	1	1	-	-	-	-	-	2
Business, commerce & distributive education		8	1	-	-	-	-	-	-	7
Industrial arts, vocational & technical education		16	3	4	1	1	1	-	-	6
Other		41	11	3	-	-	-	2	-	25
ENGINEERING	Total	94	9	37	-	1	-	-	-	47
Aerospace, aeronautical & astronautical engineering		1	1	-	-	-	-	-	-	-
Agricultural engineering		1	-	1	-	-	-	-	-	-
Bioengineering and biomedical engineering		3	-	-	-	-	-	-	-	3
Chemical engineering (include petroleum refining)		16	2	5	-	-	-	-	-	9
Petroleum engineering (exclude petroleum refining)		3	1	-	-	-	-	-	-	2
Civil, construction & transportation engineering		7	1	-	-	-	-	-	-	6
Electrical, electronics & communications engineering		30	-	17	-	-	-	-	-	13
Mechanical engineering		10	2	5	-	-	-	-	-	3
Industrial & management engineering		5	-	-	-	-	-	-	-	5
Metallurgical engineering		5	-	5	-	-	-	-	-	-
Materials engineering		1	-	-	-	-	-	-	-	1
Ceramic engineering		3	1	2	-	-	-	-	-	-
Mining and mineral engineering		3	-	1	-	1	-	-	-	1
Nuclear engineering		1	-	1	-	-	-	-	-	-
Engineering mechanics		3	1	-	-	-	-	-	-	2
Engineering tech. (baccalaureate & higher programs)		2	-	-	-	-	-	-	-	2
FINE AND APPLIED ARTS	Total	8	-	-	-	-	-	1	-	7
Art (painting, drawing, sculpture)		2	-	-	-	-	-	1	-	1
Art history and appreciation		3	-	-	-	-	-	-	-	3
Music (liberal arts program)		1	-	-	-	-	-	-	-	1
Music history & appreciation (musicology)		1	-	-	-	-	-	-	-	1
Dramatic arts		1	-	-	-	-	-	-	-	1
FOREIGN LANGUAGES	Total	16	2	-	-	-	1	1	-	12
French		6	1	-	-	-	1	-	-	4
German		3	-	-	-	-	-	-	-	3
Spanish		7	1	-	-	-	-	1	-	5
HEALTH PROFESSIONS	Total	50	18	-	-	-	-	-	-	32
Dental specialties		5	5	-	-	-	-	-	-	-
Medical specialties		6	5	-	-	-	-	-	-	1
Nursing		6	-	-	-	-	-	-	-	6
Pharmacy		21	8	-	-	-	-	-	-	13
Public health		7	-	-	-	-	-	-	-	7
Speech pathology & audio.		2	-	-	-	-	-	-	-	2
Other		3	-	-	-	-	-	-	-	3
HOME ECONOMICS	Total	13	2	4	-	-	-	-	-	7
Family relations & child development		12	1	4	-	-	-	-	-	7
Foods and nutrition (include dietetics)		1	1	-	-	-	-	-	-	-
LAW	Total	14	8	-	-	-	-	2	-	4
Law, general		14	8	-	-	-	-	2	-	4

Table 32.0

Employment Status by Degree Field for Doctoral
Degree Recipients for All Institutions in Pennsylvania, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
LETTERS	Total	48	5	8	-	-	1	2	-	32
English, general		19	4	5	-	-	-	1	-	9
Literature, English		1	-	1	-	-	-	-	-	-
Classics		1	-	-	-	-	-	-	-	1
Linguistics (include phonetics, semantics & philology)		2	-	-	-	-	-	-	-	2
Speech, debate & forensic science (rhetoric & public address)		10	1	-	-	-	1	-	-	8
Philosophy		5	-	-	-	-	-	-	-	5
Religious studies (exclude theological professions)		10	-	2	-	-	-	1	-	7
LIBRARY SCIENCE	Total	12	-	-	-	-	-	-	-	12
Library science, general		12	-	-	-	-	-	-	-	12
MATHEMATICS	Total	19	2	8	-	-	1	-	-	8
Mathematics, general		16	1	7	-	-	1	-	-	7
Statistical, mathematical and theoretical		3	1	1	-	-	-	-	-	1
PHYSICAL SCIENCES	Total	108	9	21	-	-	-	3	-	75
Physics, general (exclude biophysics)		38	2	7	-	-	-	-	-	29
Chemistry, general (exclude biochemistry)		47	5	9	-	-	-	3	-	30
Pharmaceutical chemistry		3	1	1	-	-	-	-	-	1
Astronomy		3	-	-	-	-	-	-	-	3
Atmospheric sciences & meteorology		3	-	2	-	-	-	-	-	1
Geology		10	1	1	-	-	-	-	-	8
Geochemistry		1	-	-	-	-	-	-	-	1
Metallurgy		1	-	1	-	-	-	-	-	-
Other		2	-	-	-	-	-	-	-	2
PSYCHOLOGY	Total	67	19	12	-	-	3	1	-	32
Psychology, general		30	4	6	-	-	1	1	-	18
Experimental psychology (animal and human)		16	5	3	-	-	-	-	-	8
Clinical psychology		18	9	2	-	-	2	-	-	5
Social psychology		1	-	1	-	-	-	-	-	-
Other		2	1	-	-	-	-	-	-	1
PUBLIC AFFAIRS AND SERVICES	Total	28	1	2	-	-	-	-	-	25
Community services, general		6	-	-	-	-	-	-	-	6
Public administration		4	1	2	-	-	-	-	-	1
Social work and helping services (other than clinical social work)		4	-	-	-	-	-	-	-	4
International public service (other than diplomatic service)		10	-	-	-	-	-	-	-	10
Other		4	-	-	-	-	-	-	-	4
SOCIAL SCIENCES	Total	79	6	6	3	-	-	2	1	61
Social sciences, general		2	-	-	-	-	-	-	-	2
Anthropology		14	-	1	-	-	-	1	-	12
Economics		17	1	-	-	-	-	-	-	16
History		15	1	4	1	-	-	1	-	8
Geography		4	-	1	-	-	-	-	-	3
Political science and government		10	2	-	1	-	-	-	1	6
Sociology		15	2	-	1	-	-	-	-	12
Other		2	-	-	-	-	-	-	-	2
INTERDISCIPLINARY STUDIES	Total	1	-	-	-	-	-	-	-	1
Psycho-biology		1	-	-	-	-	-	-	-	1

Table 33.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
BUSINESS AND COMMERCE	Total	3432	1498	141	187	13	47	131	506	909
Business and commerce technologies, general		827	296	23	70	5	21	33	103	276
Accounting technologies		498	224	13	40	2	5	28	77	109
Banking & finance technologies		18	4	-	-	-	-	1	-	13
Marketing, distribution, purchasing, business & industrial management technologies		528	84	4	28	-	4	4	211	193
Secretarial technologies		934	651	16	21	3	7	37	30	169
Personal service technologies		25	19	-	-	-	-	1	4	1
Photography technologies		97	48	16	2	1	4	6	5	15
Communication and broadcasting technologies		79	16	9	14	1	1	2	13	23
Hotel and restaurant management technologies		88	23	1	1	1	2	5	16	39
Transportation and public utility technology		10	-	-	-	-	-	-	-	10
Applied, graphic and fine arts technologies		224	97	48	9	-	1	10	31	30
Other		104	36	13	2	-	2	4	16	31
DATA PROCESSING TECHNOLOGIES	Total	573	313	44	18	1	3	31	24	139
Data processing		263	125	4	14	-	2	12	13	93
Computer programmer		204	121	14	3	-	1	19	5	41
Computer operator and peripheral equipment		28	17	1	-	1	-	-	5	4
Data processing equipment maintenance		77	50	25	1	-	-	-	-	1
Other		1	-	-	-	-	-	-	1	-
HEALTH SERVICES AND PARAMEDICAL TECHNOLOGIES	Total	2241	1092	65	39	1	45	53	133	813
Health services assistant		33	2	-	2	-	-	3	2	24
Dental assistant		91	26	-	-	-	3	-	2	60
Dental hygiene		86	21	1	2	-	-	3	3	56
Medical/biological laboratory assistant		161	63	2	5	-	-	2	6	83
Radiological technologies		112	68	11	1	1	2	2	4	23
Nursing, R.N. (less than four-year program)		871	422	26	6	-	16	14	52	335
Nursing, practical (L.P.N. or L.V.N.)		374	236	2	1	-	3	11	38	83
Occupational therapy		29	23	-	1	-	1	-	1	3
Surgical technologies		17	8	-	5	-	-	-	-	4
Medical record technologies		32	7	-	1	-	-	-	1	23
Medical assistant and medical office assistant		109	52	3	2	-	10	4	8	30
Inhalation therapy		94	54	8	-	-	1	1	1	29
Psychiatric technology		73	11	-	3	-	5	4	7	43
Physical therapy		37	25	-	5	-	4	1	1	1
Funeral services		19	19	-	-	-	-	-	-	-
Other		103	55	12	5	-	-	8	7	16
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	2779	1133	610	132	13	11	69	225	586
Mechanical and engineering technologies		269	82	27	11	3	3	8	51	88
Aeronautical and aviation technology		257	37	176	6	5	-	1	27	5
Engineering graphics		123	91	15	6	1	3	2	1	4
Architectural drafting		210	117	18	16	1	2	2	34	20
Chemical technologies		22	10	2	1	-	-	-	1	8
Automotive technologies		217	126	36	19	-	-	9	5	22
Diesel technologies		14	8	-	-	-	-	1	-	5
Welding technologies		68	48	1	5	-	-	2	4	8
Civil (surveying, etc.) technologies		81	20	14	2	-	-	1	15	29
Electronics & machine technologies		594	231	214	22	-	-	16	33	78
Electromechanical technology		78	35	22	5	1	-	2	4	9
Industrial technologies		99	46	12	3	1	1	5	4	27
Instrumentation technologies		2	-	-	-	-	-	1	-	1
Mechanical technologies		78	43	10	4	1	-	1	5	14
Nuclear technologies		23	7	5	-	-	-	1	1	9
Construction & building technologies		334	135	14	22	-	-	8	3	152
Other		310	97	44	10	-	2	13	37	107

Table 33.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
NATURAL SCIENCE TECHNOLOGIES	Total	315	106	17	38	-	15	15	24	101
Natural science technologies, general		17	11	1	1	-	-	2	-	2
Agricultural technologies		73	18	2	3	-	10	3	4	33
Forestry and wildlife		140	38	12	27	-	3	7	15	38
Food service technologies		43	21	1	2	-	-	1	4	14
Laboratory technologies, general		6	3	-	-	-	-	-	-	3
Sanitation and public health inspection		3	-	-	-	-	-	-	-	3
Environmental studies		2	1	-	-	-	-	-	1	-
Other		31	14	1	5	-	1	2	-	8
PUBLIC SERVICE-RELATED TECHNOLOGIES	Total	971	217	7	79	2	26	23	154	463
Public service technologies		40	12	-	-	-	-	-	2	26
Bible study/religion-related occupations		2	1	-	-	1	-	-	-	-
Education technologies		221	54	-	24	-	8	5	31	99
Library assistant technologies		18	7	-	3	-	2	-	-	6
Police, law enforcement, corrections		404	69	3	31	-	7	9	70	215
Recreation and social work		109	14	1	8	1	6	4	24	51
Fire control technology		76	35	1	3	-	-	-	5	32
Public administration and management		5	2	-	-	-	-	-	1	2
Labor studies		1	1	-	-	-	-	-	-	-
Other		95	22	2	10	-	3	5	21	32
ARTS AND SCIENCES	Total	2725	275	7	270	34	46	47	881	1165
Arts and science transfers who enter four-year programs		2425	255	7	254	30	44	34	771	1030
Arts and science, general programs not organized as Occupational Curriculum		300	20	-	16	4	2	13	110	135

Table 33.1

Employment Status by Degree Field for Associate Degree for Community Colleges, 1979

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
BUSINESS AND COMMERCE TECHNOLOGIES	Total	1640	582	15	128	5	26	49	226	609
Business and commerce technology, general		419	126	5	41	-	9	16	59	163
Accounting technology		279	93	1	31	-	3	12	47	92
Banking and finance technology		16	3	-	-	-	-	1	-	12
Marketing, distribution, purchasing, business and industrial management technology		304	59	3	25	-	4	1	46	166
Secretarial technology		384	231	3	11	3	6	11	15	104
Personal service technology		18	13	-	-	-	-	1	3	1
Photography technology		13	2	1	1	-	1	-	2	6
Communication & broadcasting technology		45	12	-	11	1	-	1	9	11
Hotel and restaurant management technology		77	22	1	-	1	2	3	16	32
Transportation and public utility technologies		10	-	-	-	-	-	-	-	10
Applied, graphic and fine arts technologies		71	20	1	8	-	1	3	27	11
Other		4	1	-	-	-	-	-	2	1
DATA PROCESSING TECHNOLOGIES	Total	298	137	8	12	1	3	13	19	105
Data processing technologies, general		232	101	4	11	-	3	10	12	92
Computer programmer technologies		38	19	3	1	-	1	3	2	9
Computer operator and peripheral equipment technologies		28	17	1	-	1	-	-	5	4
HEALTH SERVICES AND PARAMEDICAL TECHNOLOGIES	Total	1705	839	21	30	-	41	39	74	661
Health services assistant technologies		30	1	-	1	-	-	3	1	24
Dental assistant technology		33	26	-	-	-	3	-	1	3
Dental hygiene technology		30	21	1	2	-	-	3	2	1
Medical or biological laboratory assistant technology		129	47	1	5	-	-	2	1	73
Radiologic technologies		36	16	-	1	-	2	-	1	16
Nursing, R.N. (less than four-year program)		725	344	16	5	-	13	9	14	324
Nursing, practical		373	235	2	1	-	3	11	38	83
Occupational therapy technology		29	23	-	1	-	1	-	1	3
Surgical technologies		17	8	-	5	-	-	-	-	4
Medical record technologies		30	7	-	-	-	-	-	1	22
Medical assistant and medical office assistant technologies		66	22	1	-	-	9	2	5	27
Inhalation therapy		47	23	-	-	-	1	1	-	22
Psychiatric technology		73	11	-	3	-	5	4	7	43
Physical therapy technology		37	25	-	5	-	4	1	1	1
Funeral service technology		19	19	-	-	-	-	-	-	-
Other		31	11	-	1	-	-	3	1	15
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	766	293	19	42	2	3	11	77	319
Mechanical and engineering technologies		54	13	-	3	-	-	-	8	30
Aeronautical and aviation technology		26	7	4	1	-	-	-	10	4
Engineering graphics technology		38	26	2	2	1	2	1	-	4
Architectural drafting technology		67	28	-	6	-	1	-	21	11
Clinical technologies		8	6	-	1	-	-	-	1	-
Automotive technologies		29	22	1	2	-	-	-	2	2
Diesel technologies		14	8	-	-	-	-	1	-	5
Welding technologies		21	14	-	-	-	-	1	1	5
Civil technology (surveying, etc.)		26	6	-	-	-	-	-	5	15
Electronics & machine technology		180	73	6	9	-	-	2	21	69
Electromechanical tech.		26	7	2	5	1	-	2	4	5
Industrial technology		13	7	-	-	-	-	-	1	5
Instrumentation technology		2	-	-	-	-	-	1	-	1
Mechanical technologies		49	33	3	2	-	-	-	2	9
Nuclear technology		8	5	1	-	-	-	-	-	2
Construction and building technologies		194	33	-	10	-	-	3	1	147
Other		11	5	-	1	-	-	-	-	5

Table 33.1

Employment Status by Degree Field for Associate Degree for Community Colleges, 1979
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Fa.	Employed in Field Prepared Outside Fa.	Employed in Other Field In Fa.	Employed in Other Field Outside Fa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
NATURAL SCIENCE TECHNOLOGIES	Total	149	75	12	20	-	1	8	5	28
Natural science technologies, general		14	11	1	-	-	-	2	-	-
Forestry and wildlife technologies		50	25	9	13	-	-	3	-	-
Food service technologies		43	21	1	2	-	-	1	4	14
Laboratory technologies		6	3	-	-	-	-	-	-	3
Sanitation and public health inspection technologies		3	-	-	-	-	-	-	-	3
Environmental studies		2	1	-	-	-	-	-	1	-
Other		31	14	1	5	-	1	2	-	8
PUBLIC SERVICE-RELATED TECHNOLOGIES	Total	722	178	1	69	1	16	16	109	332
Education technologies		216	53	-	24	-	8	5	31	95
Library assistant technologies		18	7	-	3	-	2	-	-	6
Police law enforcement, correction technologies		315	63	-	27	-	5	8	49	163
Recreation and social work related technologies		68	10	-	8	1	1	3	12	3
Fire control technologies		76	35	1	3	-	-	-	5	32
Public administration and management technologies		5	2	-	-	-	-	-	1	2
Labor studies technologies		1	1	-	-	-	-	-	-	-
Other		23	7	-	4	-	-	-	11	1
ARTS AND SCIENCE TECHNOLOGIES	Total	2313	243	6	242	27	41	34	733	987
Arts and science transfers		2313	243	6	242	27	41	34	733	987

Table 33.2

Employment Status by Degree Field for Associate Degree Graduates for Proprietary Institutions, 1979

HEGIS Degree Field		Total	Employed in Field Prepared For: In Fa.	Employed in Field Prepared For: Outside Fa.	Employed in Other Field: In Fa.	Employed in Other Field: Outside Fa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
BUSINESS AND COMMERCE TECHNOLOGIES	Total	1071	724	110	18	4	9	62	56	88
Business and commerce technology, general		170	117	12	3	1	4	5	8	20
Accounting technologies		204	125	12	8	2	1	15	29	12
Marketing, distribution, purchasing, business and industrial management technologies		15	11	-	-	-	-	1	2	1
Secretarial technologies		387	320	7	4	-	-	26	6	24
Personal service technology		7	6	-	-	-	-	-	1	-
Photography technologies		84	46	15	1	1	3	6	3	9
Communication and broadcasting technologies		12	4	8	-	-	-	-	-	-
Applied, graphic, fine arts technologies		147	75	44	1	-	-	7	3	17
Other		45	20	12	1	-	1	2	4	5
DATA PROCESSING TECHNOLOGIES	Total	190	143	25	5	-	-	15	1	1
Data processing		29	23	-	3	-	-	2	1	-
Computer programmer technologies		84	70	-	1	-	-	13	-	-
Data processing equipment maintenance technologies		77	50	25	1	-	-	-	-	1
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	37	27	1	1	-	-	2	3	3
Medical assistant and medical office assistant technologies		28	19	-	1	-	-	2	3	3
Other		9	8	1	-	-	-	-	-	-
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	1229	552	503	51	6	1	28	40	48
Mechanical and engineering technologies, general		30	22	6	1	-	-	-	1	-
Aeronautical and aviation technologies		231	30	172	5	5	-	1	17	1
Engineering graphics		34	25	7	-	-	1	1	-	-
Architectural technologies		51	38	10	-	-	-	1	2	-
Chemical technologies		2	-	-	-	-	-	-	-	2
Automotive technologies		188	104	35	17	-	-	9	3	20
Welding technologies		47	34	1	5	-	-	1	3	3
Civil technologies		12	1	7	-	-	-	-	-	4
Electronics and machine technologies		400	155	208	13	-	-	13	10	1
Electromechanical technologies		52	28	20	-	-	-	-	-	4
Industrial technologies		38	22	11	-	-	-	-	-	5
Mechanical technologies		27	9	7	2	1	-	1	2	5
Construction and building technologies		96	68	14	8	-	-	1	2	3
Other		21	16	5	-	-	-	-	-	-
ARTS AND SCIENCE TRANSFERS	Total	8	5		-	-	-	-	2	1
Arts and science transfers		8	5	-	-	-	-	-	2	1

Table 33.3

Employment Status by Degree Field for Associate Degree Graduates for Four-Year Colleges and Universities, 1979

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
BUSINESS AND COMMERCE TECHNOLOGIES	Total	721	192	16	41	4	12	20	224	212
Business and commerce technologies, general		238	53	6	26	4	8	12	36	93
Accounting technologies		15	6	-	1	-	1	1	1	5
Banking & finance technologies		2	1	-	-	-	-	-	-	1
Marketing, distribution, purchasing, business and industrial management technologies		209	14	1	3	-	-	2	163	26
Secretarial technologies		163	100	6	6	-	1	-	9	41
Communications and broadcasting technologies		22	-	1	3	-	1	1	4	12
Hotel and restaurant management technologies		11	1	-	1	-	-	2	-	7
Applied, graphic, fine arts technologies		6	2	1	-	-	-	-	1	2
Other		55	15	1	1	-	1	2	10	25
DATA PROCESSING	Total	85	33	11	1	-	-	3	4	33
Data processing technologies, general		2	1	-	-	-	-	-	-	1
Computer programmer technologies		82	32	11	1	-	-	3	3	32
Others		1	-	-	-	-	-	-	1	-
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	499	226	43	8	1	4	12	56	149
Health services assistant technologies, general		3	1	-	1	-	-	-	1	-
Dental assistant technologies		58	-	-	-	-	-	-	1	57
Dental hygiene technologies		56	-	-	-	-	-	-	1	55
Medical or biological technologies		32	16	1	-	-	-	-	5	10
Radiologic technologies		76	52	11	-	1	-	2	3	7
Nursing, R.N. (less than four-year program)		146	78	10	1	-	3	5	38	11
Nursing, practical		1	1	-	-	-	-	-	-	-
Medical and record technologies		2	-	-	1	-	-	-	-	1
Medical assistant and medical office assistant technologies		15	11	2	1	-	1	-	-	-
Inhalation therapy technologies		47	31	8	-	-	-	-	1	7
Other		63	36	11	4	-	-	5	6	1
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	784	288	88	39	5	7	30	108	219
Mechanical & engineering technologies, general		185	47	21	7	3	3	4	42	58
Engineering graphics		51	40	6	4	-	-	-	1	-
Architectural drafting technologies		92	51	8	10	1	1	1	11	9
Chemical technologies		12	4	2	-	-	-	-	-	6
Civil technologies (surveying, etc.)		43	13	7	2	-	-	1	10	10
Electronics & machining technologies		14	3	-	-	-	-	1	2	8
Industrial technologies		48	17	1	3	1	1	5	3	17
Mechanical technologies		2	1	-	-	-	-	-	1	-
Nuclear technologies		15	2	4	-	-	-	1	1	7
Construction & building technologies		44	34	-	4	-	-	4	-	2
Other		278	76	39	9	-	2	13	37	102
NATURAL SCIENCE TECHNOLOGIES	Total	166	31	5	18	-	13	7	19	73
Agriculture technologies		73	18	2	3	-	10	3	4	33
Forestry and wildlife technologies		90	13	3	14	-	3	4	15	38
PUBLIC SERVICE-RELATED TECHNOLOGIES		249	39	6	10	1	10	7	45	131
Public service technologies, gen.		40	12	-	-	-	-	-	2	26
Bible study or religion-related technologies		2	1	-	-	1	-	-	-	-
Education technologies		5	1	-	-	-	-	-	-	4
Police, law enforcement, correction technologies		89	6	3	4	-	2	1	21	52
Recreation and social work technologies		41	4	1	-	-	5	1	12	18
Other		72	15	2	6	-	3	5	10	31

Table 33.3

Employment Status by Degree Field for Associate Degree Graduates for Four-Year Colleges and Universities, 1979 (continued)

NECIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
ARTS AND SCIENCE TRANSFERS	Total	404	27	1	28	7	5	13	146	177
Arts and science transfers		104	7	1	12	3	3	-	36	42
Arts and sciences, general programs		300	20	-	16	4	2	13	110	135